Appendix B

Monitoring Well Information

Well Permit Number E201303255

WELL PERMIT

The New Jersey Department of Environmental Protection grants t accompanying same application, and applicable laws and regulati enumerated in the supporting documents which are agreed to by t	ons. This permit is also subject to further conditions and stipulations				
Certifying Driller:BRIAN D KOKOT, JOURNEYMAN	LICENSE # 0017863				
Permit Issued to: <u>ENVIRONMENTAL PROBING INV</u>	ESTIGATION				
Company Address: 833 MONMOUTH RD CREAM RIE	DGE, NJ 08514				
PROPERTY OWNER					
Name: NISAN 12 LLC					
Organization: Nisan 12, LLC					
Address: 3001 Woodbridge Ave					
City: Woodbridge State: New Jerse	y Zip Code: <u>08837</u>				
PROPOSED WELL LOCATION Facility Name: Site 063 - 065					
Address: 1 Burma Road					
County: Hudson Municipality: Jersey City	Lot: 11 Block: 24306				
Easting (X): 612096 Northing (Y): 680384 Local ID: MW-09 Coordinate System: NJ State Plane (NAD83) - USFEET Local ID: MW-09					
SITE CHARACTERISTICS					
PROPOSED CONSTRUCTION					
WELL USE: MONITORING	Other Use(s):				
Diameter (in.): 2	Regulatory Program Requiring Wells/Borings: <u>Water & Hazardous Waste Enforcement</u>				
Depth (ft.): 10 Case ID Number: G000008691					
Pump Capacity (gpm): 0 Deviation Requested: N					
Drilling Method: Hollow Stem Augers					
Attachments:					
SPECIFIC CONDITIONS/REQUIREMENTS					

Approval Date:March 14, 2013Expiration Date:March 14, 2014

Approved by the authority of: Bob Martin Commissioner

Well Permit -- Page 1 of 2

Jerry D. P. lawski

DEVIATION INFORMATI	ON
Purpose:	
Unusual Conditions:	
Reason for Deviation:	
Proposed Well Construction	
GENERAL CONDITIONS/	REOUREMENTS
	kept at the worksite / on the property and shall be exhibited upon request. [N.J.A.C. 7:9D-1]
	ed by the well driller to the Bureau of Water Systems and Well Permitting. Unless prior written approval is
	Vater Systems and Well Permitting the well record shall be submitted electronically through the New Jersey
	Protection's Regulatory Services Portal Submit Well Record: within ninety (90) days after the well is
completed.[N.J.A.C. 7:9D-1]	
	tion activities shall comply with N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
For this permit to remain valid	, the well approved in this permit shall be constructed within one year of the effective date of the permit.
[N.J.A.C. 7:9D-1]	
If the pump capacity applied for	or is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of
the Bureau of Water Systems a	and Well Permitting. [N.J.A.C. 7:9D-1]
If the use of the well is to be c	hanged a well permit for the proposed use of the well shall be submitted for review and approval. [N.J.A.C.
7:9D-1]	
	ner intend to redesignate this well as a Category 1 well (domestic, non-public, community water supply or
	upply wells), the well must be constructed as a Category 1 well per the Well Construction and
	N.J.A.C. 7:0D-1.1 et seq. In addition, if the current or future property owner intends to have this well
	vater supply well, the well must be constructed by a Master well driller, which would include having a
	Il times during construction of the well, as specified in the Well Construction and Abandonment
	lew Jersey Department of Environmental Protection will not allow the well to be redesignated, and a new
well would have to be installed	
	operty Owner and Driller agree to abide by the following terms and conditions [N.J.A.C. 7:9D-1]
	ot constructed the well driller shall notify the Bureau of Water Systems and Well Permitting of the permit
	ten approval is obtained from the Bureau of Water Systems and Well Permitting the Cancellation electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal
	ion : by the expiration date of this permit.[N.J.A.C. 7:9D-1]
In the event this well is aband	oned, the Owner or Well driller shall assume full responsibility for having the well decommissioned in a
	v Jersey Department of Environmental Protection in accordance with the provisions of N.J.A.C. 7:9D-1 et
seq. [N.J.A.C. 7:9D-1]	
	all not be construed in any way to affect the title or ownership of property, and shall not make the New
	mental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:9D-1]
	all not be deemed to affect in any way action by the New Jersey Department of Environmental Protection on
any future application. [N.J.A.	
	either expressed, or implied to divert water. [N.J.A.C. 7:9D-1]
	e obtaining of Federal or other State or local Government consent when necessary. This permit is not valid
	en until such time as all other required approvals and permits have been obtained. [N.J.A.C. 7:9D-1]
This permit is NONTRANSFE	ERABLE [N.J.A.C. 7:9D]

Well Permit Number E201303255

PROPERTY	PROPERTY OWNER: NISAN 12 LLC						
Company/Org	ganization: <u>N</u>	isan 12, LLC					
Address: 30	01 Woodbridg	ge Ave Woodbi	ridge, New Jerse	ey 08837			
WELL LOC	ATION: Site	e 063 - 065					
Address: 1	Burma Road						
		Municipality	y: Jersey City		Lot: 11	Block: 24	1306
Easting (X):	612096	Northing	(Y): 680384		DATE WELL ST	CARTED: March 26,	2013
Coordia	nate System: N	J State Plane (NAD <mark>83) - USF</mark> I	EET DA	ATE WELL COMI	PLETED: March 26,	2013
WELL USE:	MONITOR	ING					
Other Use(s)	:				Local ID: <u>M</u> V	V-09	
WELL CON	STRUCTION	I					
Total Depth	Drilled (ft.):	7	Finished We	ll Depth (ft.):	7	Well Surface: Flus	sh Mount
	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)		Material		g/Screen # Used s/ch no.)
Borehole	0	7	10				
Casing	0	2	2		PVC		Sch 40
Screen	2	7	2	Sc	ch 40 PVC	40 PVC .010	
	Depth to	Depth to	Outer	Inner		Material	
0 (Top (ft.)	Bottom (ft.)	Diameter (in.)	Diameter (in)	Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout Gravel Pack	0	1 7	10 10	2 2	3	47 Morie #1	4
	hod: Gravity	,	10		lling Method: Holl		
-	AL INFORMA				<u> </u>		
Protective Ca				Pur	np Capacity: _ gpm		
		low land surfa	ce		al Design Head: _ ft		
	Measure Tool:				lling Fluid:	10	
	oment Period: <u>-</u> evelopment: <u>Su</u>				ll Rig: <u>Geoprobe 67</u> alth and Safety Plan		
Pump Type:				1100	and Safety I fail	5001111100: <u>105</u>	
ATTACHM	ENTS:						
GEOLOGIC							
0 - 7: Black /	Brown SM - S	ilty sands, sand	d-silt mixtures				
ADDITION	AL INFORMA	ATION:					

New Jersey Department of Environmental Protection Site Remediation Program MONITORING WELL CERTIFICATION FORM A - AS-BUILT	
CERTIFICATION	Date Stamp (For Department use only)
SECTION A. SITE NAME AND LOCATION	
Site Name: Site 063	
Municipality Jersev City (Township Date)	igh or City)
County: Hudson Zip Code: 0730	
Program Interest (PI) Number(s): G000008691 Case Tracking N	
SECTION B. WELL OWNER AND LOCATION	
1. Name of Well Owner Nisan 12, LLC	
2. Well Location (Street Address) 1 Burma Road	
3. Well Location (Municipal Block and Lot) Block# 24306	Lot # 11
SECTION C. WELL LOCATION SPECIFICS	
1. Well Permit Number (This number must be permanently affixed to the well casing):	E201303255
2. Site Well Number as shown on application or plans):	MW-09
3. Well Completion Date:	3/26/13
4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'):	
5. Total Depth of Well to the nearest ½ foot:	7
6. Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'):	2
7. Screen Length (or length of open hole) in feet:	5
8. Screen or Slot Size:	0.10
9. Screen or Slot Material:	PVC
10. Casing Material (PVC, steel, or other – specify):	PVC
11. Casing Diameter (inches):	2
12. Static Water Level from top of casing at the time of installation (nearest 0.01'):	3
13. Yield (gallons per minute):	2
14. Development Techinque (specify):	Pump and surge
15. Length of Time well is developed/pumped or bailed (hours and minutes):	

	AP	TIM		1 vrizon Center n, NJ 08691		R MW-09 Age 1 of 1		
		T PPG		PROJE	CT NAME Site 63			
2	DATE STARTED _3/25/13 GROUND ELEVATION Not surveyed HOLE SIZE _2 inches							
5				CTOR EPI GROUI				
					TTIME OF DRILLING 3.00 ft			
					AT END OF DRILLING			
				never surveyed. Elevation and Coordinates are NA.				
Ϋ́Υ								
IEK KIK KAWP/2019 1	O DEPTH O (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG		Casing Top El Casing Type: 1	DIAGRAM ev: Not surveyed flush		
AVV AVV				Black to dark brown SILT, some sand and organic m	atter, moist	pentonite		
				1.0 Black to brown SILT with sand and organic matter, m				
11E 03-03 KEPURI 3/2019-03 SI				2.0 Dark gray to dark brown SILT with some sand and si 2.0-2.5 ft) 3.0 ∑ Yellow brown to brown SILT and large angular grave	nall gravel, moist (COPR detected from	ilter sand		
	- – - – 5.0			4.0 Black SILT with some sand, saturated	Area Area Area Area			
REP FSU I/COMMON/MORA				Brown small to large angular GRAVEL, some silt and	d sand, saturated			
- 11/26/19 14:09 - 1	7.5			Brown sandy SILT, saturated		2" 0.10 Slot Screen		
/ WELL - GINI SID US LAB.GD	 10.0			Brown SILT with brown and black striations, trace sa 9.5 No Recovery	nd, saturated			
GENERAL BH / IP	10.0		1	10.0 Bottom of borehole at	: 10.0 feet.			

Well Permit Number E201303256

WELL PERMIT

The New Jersey Department of Environmental Protection grants accompanying same application, and applicable laws and regulation enumerated in the supporting documents which are agreed to by the	ions. This permit is also subject to further conditions and stipulations				
Certifying Driller: BRIAN D KOKOT, JOURNEYMAN	LICENSE # 0017863				
Permit Issued to: <u>ENVIRONMENTAL PROBING INV</u>	ESTIGATION				
Company Address: 833 MONMOUTH RD CREAM RI	DGE, NJ 08514				
PROPERTY OWNER					
Name: NISAN 12 LLC					
Organization: <u>Nisan 12, LLC</u>					
Address: 3001 Woodbridge Ave					
City: Woodbridge State: New Jerse	Zip Code: <u>08837</u>				
PROPOSED WELL LOCATION Facility Name: Site 063 - 065 Address: 1 Burma Road					
County: Hudson Municipality: Jersey City	Lot: 11 Block: 24306				
Easting (X): 612256 Northing (Y): 680544 Local ID: MW-12 Coordinate System: NJ State Plane (NAD83) - USFEET Image: Coordinate System: NJ State Plane (NAD83) - USFEET Image: Coordinate System: NJ State Plane (NAD83) - USFEET					
SITE CHARACTERISTICS					
PROPOSED CONSTRUCTION					
WELL USE: MONITORING	Other Use(s):				
Diameter (in.): 2	Regulatory Program Requiring Wells/Borings: <u>Water & Hazardous Waste Enforcement</u>				
Depth (ft.): 10 Case ID Number: G000008691					
Pump Capacity (gpm): 0 Deviation Requested: N					
Drilling Method: Hollow Stem Augers					
Attachments:					
SPECIFIC CONDITIONS/REQUIREMENTS					

Approval Date:March 14, 2013Expiration Date:March 14, 2014

Approved by the authority of: Bob Martin Commissioner

Well Permit -- Page 1 of 2

Jerry D. P. lawski

DEVIATION INFORMATI	ON
Purpose:	
Unusual Conditions:	
Reason for Deviation:	
Proposed Well Construction	
GENERAL CONDITIONS/	REOUREMENTS
	kept at the worksite / on the property and shall be exhibited upon request. [N.J.A.C. 7:9D-1]
	ed by the well driller to the Bureau of Water Systems and Well Permitting. Unless prior written approval is
	Vater Systems and Well Permitting the well record shall be submitted electronically through the New Jersey
	Protection's Regulatory Services Portal Submit Well Record: within ninety (90) days after the well is
completed.[N.J.A.C. 7:9D-1]	
	tion activities shall comply with N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
For this permit to remain valid	, the well approved in this permit shall be constructed within one year of the effective date of the permit.
[N.J.A.C. 7:9D-1]	
If the pump capacity applied for	or is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of
the Bureau of Water Systems a	and Well Permitting. [N.J.A.C. 7:9D-1]
If the use of the well is to be c	hanged a well permit for the proposed use of the well shall be submitted for review and approval. [N.J.A.C.
7:9D-1]	
	ner intend to redesignate this well as a Category 1 well (domestic, non-public, community water supply or
	upply wells), the well must be constructed as a Category 1 well per the Well Construction and
	N.J.A.C. 7:0D-1.1 et seq. In addition, if the current or future property owner intends to have this well
	vater supply well, the well must be constructed by a Master well driller, which would include having a
	Il times during construction of the well, as specified in the Well Construction and Abandonment
	lew Jersey Department of Environmental Protection will not allow the well to be redesignated, and a new
well would have to be installed	
	operty Owner and Driller agree to abide by the following terms and conditions [N.J.A.C. 7:9D-1]
	ot constructed the well driller shall notify the Bureau of Water Systems and Well Permitting of the permit
	ten approval is obtained from the Bureau of Water Systems and Well Permitting the Cancellation electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal
	ion : by the expiration date of this permit.[N.J.A.C. 7:9D-1]
In the event this well is aband	oned, the Owner or Well driller shall assume full responsibility for having the well decommissioned in a
	v Jersey Department of Environmental Protection in accordance with the provisions of N.J.A.C. 7:9D-1 et
seq. [N.J.A.C. 7:9D-1]	
	all not be construed in any way to affect the title or ownership of property, and shall not make the New
	mental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:9D-1]
	all not be deemed to affect in any way action by the New Jersey Department of Environmental Protection on
any future application. [N.J.A.	
	either expressed, or implied to divert water. [N.J.A.C. 7:9D-1]
	e obtaining of Federal or other State or local Government consent when necessary. This permit is not valid
	en until such time as all other required approvals and permits have been obtained. [N.J.A.C. 7:9D-1]
This permit is NONTRANSFE	ERABLE [N.J.A.C. 7:9D]

Well Permit Number E201303256

Company/Organization: Nisan 12, LLC Address: 3001 Woodbridge Ave Woodbridge, New Jersey 08837						
Address: 3001 Woodbridge Ave Woodbridge, New Jersey 08837						
WELL LOCATION: Site 063 - 065						
Address: 1 Burma Road						
County: <u>Hudson</u> Municipality: <u>Jersey City</u> Lo	ot: 11	Block: 24306				
Easting (X): <u>612256</u> Northing (Y): <u>680544</u> DA	ATE WELL START	FED: March 26, 2013				
Coordinate System: NJ State Plane (NAD83) - USFEET DATE	WELL COMPLET	FED: March 26, 2013				
WELL USE: MONITORING						
Other Use(s):	Local ID: MW-12					
WELL CONSTRUCTION						
Total Depth Drilled (ft.): 10 Finished Well Depth (ft.):	10 Well	Surface: Flush Mount				
Depth toDepth toDiameterMateTop (ft.)Bottom (ft.)(inches)	erial	Wgt/Rating/Screen # Used (lbs/ch no.)				
Borehole 0 10 10						
Casing 0 5 2 PV		Sch 40				
Screen 5 10 2 Sch 40) PVC	.010				
Depth to Depth to Outer Inner	Material					
	. ,	at Cement (lbs.) Water (gal.)				
Grout 0 3 10 2 Gravel Pack 3 10 10 2	3	47 4 Morie #1				
	Method: Hollow S					
		Nem / Kugers				
ADDITIONAL INFORMATIONProtective Casing: NoPump Capacity: _ gpmStatic Water Level: 4 ft. below land surfaceTotal Design Head: _ ft.Water Level Measure Tool: TapeDrilling Fluid:Well Development Period: .5 hrs.Drill Rig: Geoprobe 6712Method of Development: SubmersibleHealth and Safety Plan Submitted? YesPump Type:Pump Type:						
ATTACHMENTS:						
GEOLOGIC LOG 0 - 10: Bronw / black SM - Silty sands, sand-silt mixtures						
ADDITIONAL INFORMATION:						

New Jersey Department of Environmental Protection Site Remediation Program	
MONITORING WELL CERTIFICATION FORM A - AS-BUILT CERTIFICATION	T Date Stamp (For Department use only)
SECTION A. SITE NAME AND LOCATION Site Name: Site 063	
Site Name: Site 063 List all AKAs: Baldwin Oils	
Street Address: 1 Burma Road	
Municipality: Jersey City (Township, Boro	ough or City)
County: Hudson Zip Code: 0730	
Program Interest (PI) Number(s): <u>G000008691</u> Case Tracking N	
SECTION B. WELL OWNER AND LOCATION	
1. Name of Well Owner Nisan 12, LLC	
2. Well Location (Street Address) <u>1 Burma Road</u> ,	
3. Well Location (Municipal Block and Lot) Block# 24306	Lot # _11
SECTION C. WELL LOCATION SPECIFICS	
1. Well Permit Number (This number must be permanently affixed to the well casing):	E201303256
2. Site Well Number as shown on application or plans):	MW-12
3. Well Completion Date:	3/26/13
4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'):	1.54
5. Total Depth of Well to the nearest ½ foot:	10
6. Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'):	5
7. Screen Length (or length of open hole) in feet:	
8. Screen or Slot Size:	0.010
9. Screen or Slot Material:	PVC
10. Casing Material (PVC, steel, or other – specify):	PVC
11. Casing Diameter (inches):	2
12. Static Water Level from top of casing at the time of installation (nearest 0.01'):	4.00
13. Yield (gallons per minute):	3
14. Development Techinque (specify):	Pump and surge
15. Length of Time well is developed/pumped or bailed (hours and minutes):	0.5

G	Site	Jersey Depa Remediation itoring Well	Program			I Protection	ication	Date Stamp (For Department use only)
SE	CTION A. SITE	NAME AND LO	CATION					
Site	e Name: Nisai	n 12, LLC						
		G Site 063/065						
Str	eet Address: 1	Burma Road						
Mu	nicipality: Jers	ey City					Borough or City)	
Co	unty: Hudson					Zip Code:	07305	
Pro	ogram Interest (P	I) Number(s):	G00008691			Case Tra	cking Number(s):
1	CTION B. WELI Name of Well O		2, LLC					
2.	Well Location (S	Street Address)	1 Burma R					
3.	Well Location (N	/lunicipal Block	and Lot)	Block#	21503	3	Lot # _1	1
SE 1, 2, 3, 4. 5. 6. 7,	Site Well Numb Geographic Coo Latitude: North New Jersey Sta North <u>680526</u> Elevation of Top Elevation Top o <i>Check one</i> : Source of eleva here, assume de	mber (This number er (As shown or ordinate NAD 83 40-42-03.20 te Plane Coordi o of Inner Casing f Outer casing: NAVD 88 tion datum (ben atum of 100', an ations using h	ber must be per application o to nearest 1/ nates NAD 83 g (cap off) at r 10.78] NVGD29 chmark, numb d give approx KEYNET VF	r plans): 100 of a se datum, US eference m On S per/descrip imated act	MW-12 econd: S surve nark (n Elevat Site Dati tion and ual elev	Longitude: We ey feet units, to n East <u>612226</u> earest 0.01'): <u>1(</u> ion of ground: <u>8.</u> um □ Other d elevation/datur vation (referencin	0.50 96 - m). If an on-site	
l ce info tho sub per Pro Sul Fin	CTION D. LANE ertify under penalt ormation submitted se individuals imm omitted information nalties for submitti ofessional Land S rveyor's Name: m Name: Mase iling Address	y of law that I have d in this document nediately response n is true, accurate ng false informat Gurveyor's Signa R. Thomas Hug	ve personally ent and all attacl sible for obtain e and complete tion including the ature:	examined an hments and ing the info e. I am awa	d that, b rmation are that	ased on my inqu , I believe the there are signific e and imprisonme	ent.	Date 0/10/16 er: 24GS03673700 #: 24GA27986500
	y/Town: Marmo			S	State	New Jersey	Zi	o Code: 08223
1 1	one Number	609-390-1927			Ext.:	4419		9-390-0040

		4		orizon Center	V	VELL NU	MBER MW-12 PAGE 1 OF 1
	AP	ТІМ	Irentor	n, NJ 08691			
	CLIEN	T PPG			PROJECT NAME Site 63		
פרט				25/13 COMPLETED 3/25/13		HOLE SIZ	E _2 inches
200							
פוואפר				Track mounted geoprobe			
2 2 2 2 2 2 2	NOTE			1	AFTER DRILLING		
EK KIK KAWP/2019-11	0. DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL	DESCRIPTION	c	WELL DIAGRAM Casing Top Elev: 10.5 (ft) Casing Type: flush
I AVV	0.0			Dark brown SILT and small angular grave	el, some sand, moist		
NINUKANNEPG - CHROME(SLIE 03-03) REPORTS/2019-03 SLIE 03 GROUNDWATER RIR RAW	 2.5 			2.0 Black SAND, some silt, moist, saturated 3.0 Brown to gray brown SILT with large ang 4.0 Gray SILT with trace sand, saturated		<u>7.0</u> 6.0	Filter sand
IP / WELL - GINT STD US LAB.GDT - 11/26/19 14:09 - \\I REPESUT(COMMUNIMORA)	<u>5.0</u> 10.0			5.0 Brown sandy SILT with large subrounded 6.0 Brown to reddishbrown SILT with sand a 8.0 Batters of bo	nd small subrounded gravel, saturated	4.0	2" 0.10 Slot Screen
GENERAL BU				Bottom of bo	rehole at 10.0 feet.		

Well Permit Number E201606011

WELL PERMIT New Well

The New Jersey Department of Environmental Protection grants this permit in accordance with your application, attachments accompanying same application, and applicable laws and regulations. This permit is also subject to further conditions and stipulations enumerated in the supporting documents which are agreed to by the permittee upon acceptance of the permit **Certifying Driller:** BRIAN D KOKOT, JOURNEYMAN LICENSE # 0017863 **Permit Issued to:** ENVIRONMENTAL PROBING INVESTIGATION Company Address: 833 MONMOUTH RD CREAM RIDGE, NJ 08514 **PROPERTY OWNER** Name: NISAN 12 LLC Organization: Nisan 12, LLC Address: 1 Burma Dr City: Jersey City State: New Jersey Zip Code: 07305 **PROPOSED WELL LOCATION** Facility Name: Nisan 12, LLC Address: 1 Burma Road

 County:
 Hudson
 Municipality:
 Jersey City
 Lot:
 11
 Block:
 21503

 Easting (X): 612179 ____ Northing (Y): 680245 Local ID: MW-101 Coordinate System: NJ State Plane (NAD83) - USFEET SITE CHARACTERISTICS PROPOSED CONSTRUCTION WELL USE: MONITORING Other Use(s): Regulatory Program Diameter (in.): 2 Requiring Wells/Borings: Depth (ft.): 7 Case ID Number: Pump Capacity (gpm): 0 Deviation Requested: N Drilling Method: Hollow Stem Augers Attachments:

SPECIFIC CONDITIONS/REQUIREMENTS

 Approval Date:
 May 23, 2016

 Expiration Date:
 May 23, 2017

Approved by the authority of: Bob Martin Commissioner

Well Permit -- Page 1 of 2

Jerry D. P. lawski

New Well

DEVIATION INFORMATI	ON
Purpose:	
Unusual Conditions:	
Reason for Deviation:	
Proposed Well Construction	

GENERAL CONDITIONS/REQUIREMENTS

A copy of this permit shall be kept at the worksite / on the property and shall be exhibited upon request. [N.J.A.C. 7:9D-1]

A well record must be submitted by the well driller to the Bureau of Water Systems and Well Permitting. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the well record shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Record: within ninety (90) days after the well is completed.[N.J.A.C. 7:9D-1]

All well drilling/pump installation activities shall comply with N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]

For this permit to remain valid, the well approved in this permit shall be constructed within one year of the effective date of the permit. [N.J.A.C. 7:9D-1]

If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Bureau of Water Systems and Well Permitting. [N.J.A.C. 7:9D-1]

If the use of the well is to be changed a well permit for the proposed use of the well shall be submitted for review and approval. [N.J.A.C. 7:9D-1]

If you or a future property owner intend to redesignate this well as a Category 1 well (domestic, non-public, community water supply or public non-community water supply wells), the well must be constructed as a Category 1 well per the Well Construction and Abandonment Regulations at N.J.A.C. 7:0D-1.1 et seq. In addition, if the current or future property owner intends to have this well redesignated as a community water supply well, the well must be constructed by a Master well driller, which would include having a Master well driller on-site at all times during construction of the well, as specified in the Well Construction and Abandonment Regulations. Otherwise, the New Jersey Department of Environmental Protection will not allow the well to be redesignated, and a new well would have to be installed. [N.J.A.C. 7:9D-1.7((a))1i]

In accepting this permit the Property Owner and Driller agree to abide by the following terms and conditions [N.J.A.C. 7:9D-1] In the event that this well is not constructed the well driller shall notify the Bureau of Water Systems and Well Permitting of the permit cancellation. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the Cancellation notification shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Permit Cancellation : by the expiration date of this permit.[N.J.A.C. 7:9D-1]

In the event this well is abandoned, the Owner or Well driller shall assume full responsibility for having the well decommissioned in a manner satisfactory to the New Jersey Department of Environmental Protection in accordance with the provisions of N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]

The granting of this permit shall not be construed in any way to affect the title or ownership of property, and shall not make the New Jersey Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:9D-1]

The issuance of this permit shall not be deemed to affect in any way action by the New Jersey Department of Environmental Protection on any future application. [N.J.A.C. 7:9D-1]

This permit conveys no rights, either expressed, or implied to divert water. [N.J.A.C. 7:9D-1]

This permit does not waive the obtaining of Federal or other State or local Government consent when necessary. This permit is not valid and no work shall be undertaken until such time as all other required approvals and permits have been obtained. [N.J.A.C. 7:9D-1] This permit is NONTRANSFERABLE [N.J.A.C. 7:9D]

PROPERTY OWNER: NISAN 12 LLC							
Company/Org	ganization: <u>N</u>	isan 12, LLC					
Address: 1	Burma Dr Jers	ey City, New J	ersey 07305				
WELL LOC	ATION: Nis	an 12, LLC					
Address: 1	Burma Road						
County: Hu	dson	Municipality	y: Jersey City		Lot: 11	Block: 21	503
			(Y): <u>680245</u>		DATE WELL ST	FARTED: May 27, 20	016
Coordinate System: NJ State Plane (NAD83) - USFEET DATE WELL COMPLETED: May 27, 2016					016		
WELL USE:	MONITOR	ING					
Other Use(s)	:				Local ID: M	W-101	
WELL CONSTRUCTION							
Total Depth	Drilled (ft.):	7	Finished We	ll Depth (ft.):	7	Well Surface: Flus	h Mount
	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)		Material		g/Screen # Used s/ch no.)
Borehole	0	7	8				
Casing	0	2	2		PVC	S	Sch 40
Screen	2	7	2		PVC		.010
	Depth to	Depth to	Outer	Inner		Material	
Cont	Top (ft.)	Bottom (ft.)	Diameter (in.)	Diameter (in	· · · ·	Neat Cement (lbs.)	Water (gal.) 3
Grout Gravel Pack	0	1 7	8	$\frac{2}{2}$	6	Morie #1	3
			0		illing Method: Hol		
Grouting Method:Gravity methodDrilling Method:Hollow Stem AugersADDITIONAL INFORMATIONPump Capacity:gpmProtective Casing: NoPump Capacity:gpmStatic Water Level:2.5 ft. below land surfaceTotal Design Head:ft.Water Level Measure Tool:TapeDrilling Fluid:Drilling Fluid:Well Development Period:.5 hrs.Drill Rig:Geoprobe 7720Method of Development:SubmersibleHealth and Safety Plan Submitted?Yes							
	ATTACHMENTS:						
GEOLOGIC 0 - 7: Brown		ds, sand-silt mi	xtures				
ADDITION	AL INFORMA	ATION:					

New Jersey Department of Environmental Protect Site Remediation Program MONITORING WELL CERTIFICATION FORM A - A CERTIFICATION SECTION A. SITE NAME AND LOCATION						
Site Name: Site 063						
List all AKAs: Baldwin Oils						
Street Address: 1 Burma Road						
Municipality: Jersey City (Town	ship, Borough or City)					
County: Hudson Zip Co	ode: 07305					
Program Interest (PI) Number(s): G000008691 Case	Tracking Number(s):					
SECTION B. WELL OWNER AND LOCATION 1. Name of Well Owner Nisan 12, LLC 2. Well Location (Street Address) 1 Burma Road,						
3. Well Location (Municipal Block and Lot) Block# 21503	Lot # 11					
SECTION C. WELL LOCATION SPECIFICS						
1. Well Permit Number (This number must be permanently affixed to the we	Il casing):					
2. Site Well Number as shown on application or plans):	MW-101					
3. Well Completion Date:	5/27/2016					
4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'):	0.50					
5. Total Depth of Well to the nearest ½ foot:						
6. Depth to Top of Screen (or top of open hole) from top of casing (nearest (D.01'):					
7. Screen Length (or length of open hole) in feet:	5					
8. Screen or Slot Size:	0.010					
9. Screen or Slot Material:	PVC					
10. Casing Material (PVC, steel, or other – specify):	PVC					
11. Casing Diameter (inches):	2					
12. Static Water Level from top of casing at the time of installation (nearest 0	.01'):					
13. Yield (gallons per minute):	2					
14. Development Techinque (specify):	Pump and surge					
15. Length of Time well is developed/pumped or bailed (hours and minutes):						

New Jersey Department of Environmental Protection Site Remediation Program Monitoring Well Certification Form B - Location Certification							
	Moni	ertification	Date Stamp (For Department use only)				
SE	CTION A. SITE	NAME AND LC	CATION				
Site	e Name: Nisar	12, LLC					
		G Site 063/065					
Str	eet Address: 1						
Mu	nicipality: Jers	ey City				hip, Borough or City)	8
Co	unty: Hudson				Zip Cod		
Pro	ogram Interest (P	I) Number(s):	G00008691		Case	e Tracking Number(s);
1	CTION B. WELL Name of Well O						
2.	Well Location (S	Street Address)	1 Burma R	oad			
3.	Well Location (N	/lunicipal Block	and Lot)	Block# 21	503	Lot # _1	1
SE	CTION C. WELL	LOCATION S	PECIFICS				
1. 2. 3.	Well Permit Nur Site Well Numb Geographic Coo Latitude: North	er (As shown or ordinate NAD 83	n application o	r plans): MW-	-101 d:	casing): E20160601 West 74-04-00.30	
	New Jersey Sta		ingtos NAD 83	datum US su			
4.	North 680317	te Plane Coord	males NAD 03	uatum, 03 su	East 612		
5.	Elevation of Top	of Inner Casin	g (cap off) at re	eference mark			
	Elevation Top of				vation of groun		
	Check one: 🛛		NVGD29	🗌 On Site 🛛	Datum 🗌 C	Other	
6.	Source of elevation here, assume data	tion datum (ben atum of 100', ar	ichmark, numb id give approxi	er/description mated actual e	and elevation/ elevation (refer	datum). If an on-site encing NAVD 88).	datum is used, identify
	GPS observa	ations using I	KEYNET VR	S SYSTEM	in NAVD88		
7. Significant observations and notes:							
SE	CTION D. LANE	SURVEYOR'S	S CERTIFICAT	ION		SEAL	
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.							
Pro	Professional Land Surveyor's Signature: K. Humm Jung DateDate						
Su	Surveyor's Name: R. Thomas Hugg License Number: 24GS03673700						
Fin	m Name: Maser	Consulting P.A	A		Certifi	cate of Authorizatior	#: 24GA27986500
Ma	iling Address	156 Stagecoa	ch Road				
City	y/Town: Marmo	ora		State			p Code: 08223
Ph	one Number	609-390-1927	,	Ext.:	4419	Fax: _60	9-390-0040

			izon Center , NJ 08691				WE	ELL NU	MBER MW-101 PAGE 1 OF 1
AP	TIM	Irenton	, NJ 08691						
CLIEN	IT PPG					PROJECT NAME Site	63/65		
PROJ	ECT NUN	BER .				PROJECT LOCATION 1 Burma Road, Jersey City, New Jersey			
						GROUND ELEVATION			
DRILL	ING CO	NTRAC	TOR EPI			WATER LEVEL DRI	ILLING		
	ING ME	HOD	Track mounted	geoprobe					
				CHECKED BY JA					
NOTE	s								
o DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG		MAT	TERIAL D	ESCRIPTION			WELL DIAGRAM Casing Top Elev: 7.81 (ft) Casing Type: flush
0.0			DGA						
2.5				brown SAND, little mediu	um sub ang	gular gravel, semi dense, v	vet	2.2	 filter sand 2" 0.10 Slot Screen
<u> </u>			7.0	Botto	om of hore	hole at 7.0 feet.		1.2	
				5010					

Well Permit Number E201606013

WELL PERMIT

New Well

The New Jersey Department of Environmental Protection grants this permit in accordance with your application, attachments accompanying same application, and applicable laws and regulations. This permit is also subject to further conditions and stipulations enumerated in the supporting documents which are agreed to by the permittee upon acceptance of the permit					
Certifying Driller:BRIAN D KOKOT, JOURNEYMAN LICENSE # 0017863					
Permit Issued to: ENVIRONMENTAL PROBING INV	/ESTIGATION				
Company Address: 833 MONMOUTH RD CREAM RI	DGE, NJ 08514				
PROPERTY OWNER					
Name: NISAN 12 LLC					
Organization: Nisan 12, LLC					
Address: 1 Burma Dr					
City: Jersey City State: New Jersey	ey Zip Code: 07305				
PROPOSED WELL LOCATION					
Facility Name: <u>Nisan 12, LLC</u>					
Address: 1 Burma Road					
County: <u>Hudson</u> Municipality: <u>Jersey City</u>	Lot: 11 Block: 21503				
Easting (X): 612314 Northing (Y): 680517	Local ID: MW-102				
Coordinate System: NJ State Plane (NAD83) - USFEET					
SITE CHARACTERISTICS					
PROPOSED CONSTRUCTION					
WELL USE: MONITORING	Other Use(s):				
Diameter (in.): 2 Regulatory Program Requiring Wells/Borings:					
Depth (ft.): 7 Case ID Number:					
Pump Capacity (gpm): 0 Deviation Requested: N					
Drilling Method: Hollow Stem Augers					
Attachments:					

SPECIFIC CONDITIONS/REQUIREMENTS

 Approval Date:
 May 23, 2016

 Expiration Date:
 May 23, 2017

Approved by the authority of: Bob Martin Commissioner

Well Permit -- Page 1 of 2

Jerry D. P. lawski

Terry Pilawski, Chief Bureau of Water Allocation and Well Permitting

New Well

DEVIATION INFORMATION				
Purpose:				
Unusual Conditions:				
Reason for Deviation:				
Proposed Well Construction				

GENERAL CONDITIONS/REQUIREMENTS

A copy of this permit shall be kept at the worksite / on the property and shall be exhibited upon request. [N.J.A.C. 7:9D-1]

A well record must be submitted by the well driller to the Bureau of Water Systems and Well Permitting. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the well record shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Record: within ninety (90) days after the well is completed.[N.J.A.C. 7:9D-1]

All well drilling/pump installation activities shall comply with N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]

For this permit to remain valid, the well approved in this permit shall be constructed within one year of the effective date of the permit. [N.J.A.C. 7:9D-1]

If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Bureau of Water Systems and Well Permitting. [N.J.A.C. 7:9D-1]

If the use of the well is to be changed a well permit for the proposed use of the well shall be submitted for review and approval. [N.J.A.C. 7:9D-1]

If you or a future property owner intend to redesignate this well as a Category 1 well (domestic, non-public, community water supply or public non-community water supply wells), the well must be constructed as a Category 1 well per the Well Construction and Abandonment Regulations at N.J.A.C. 7:0D-1.1 et seq. In addition, if the current or future property owner intends to have this well redesignated as a community water supply well, the well must be constructed by a Master well driller, which would include having a Master well driller on-site at all times during construction of the well, as specified in the Well Construction and Abandonment Regulations. Otherwise, the New Jersey Department of Environmental Protection will not allow the well to be redesignated, and a new well would have to be installed. [N.J.A.C. 7:9D-1.7((a))1i]

In accepting this permit the Property Owner and Driller agree to abide by the following terms and conditions [N.J.A.C. 7:9D-1] In the event that this well is not constructed the well driller shall notify the Bureau of Water Systems and Well Permitting of the permit cancellation. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the Cancellation notification shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Permit Cancellation : by the expiration date of this permit.[N.J.A.C. 7:9D-1]

In the event this well is abandoned, the Owner or Well driller shall assume full responsibility for having the well decommissioned in a manner satisfactory to the New Jersey Department of Environmental Protection in accordance with the provisions of N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]

The granting of this permit shall not be construed in any way to affect the title or ownership of property, and shall not make the New Jersey Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:9D-1]

The issuance of this permit shall not be deemed to affect in any way action by the New Jersey Department of Environmental Protection on any future application. [N.J.A.C. 7:9D-1]

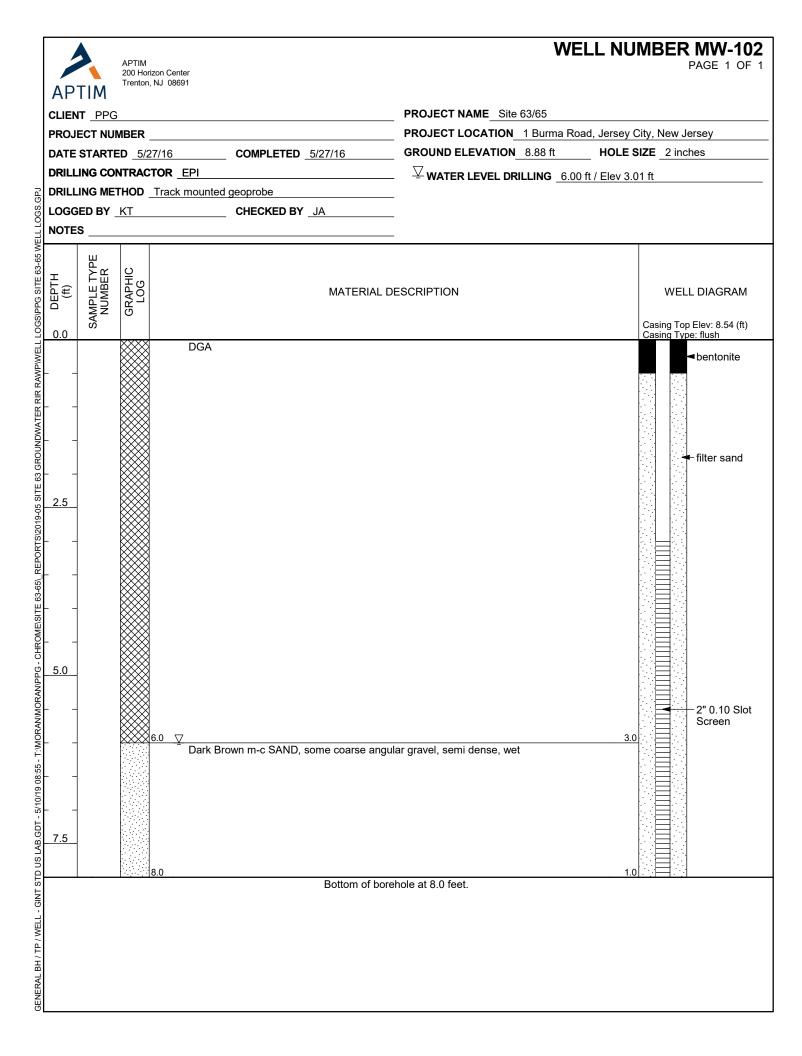
This permit conveys no rights, either expressed, or implied to divert water. [N.J.A.C. 7:9D-1]

This permit does not waive the obtaining of Federal or other State or local Government consent when necessary. This permit is not valid and no work shall be undertaken until such time as all other required approvals and permits have been obtained. [N.J.A.C. 7:9D-1] This permit is NONTRANSFERABLE [N.J.A.C. 7:9D]

Company/Organization: Nisan 12, LLC Address: 1 Burma Dr Jersey City, New Jersey 07305 WELL LOCATION: Nisan 12, LLC Address: 1 Burma Road County: Hudson County: Hudson Municipality: Jersey City Lot: 11 Block: County: Hudson County: Hudson County: Hudson County: Hudson Coordinate System: NJ State Plane (NAD83) - USFEET DATE WELL COMPLETED: MULL USE: MONITORING Other Use(s): Local ID: MULL CONSTRUCTION Total Depth brilled (ft.): 8 Total Depth brilled (ft.): 8 Finished Well Depth (ft.): Material Borehole 0 8 2 PVC Sch 40 Screen 3 8 2 PVC Jointeet Grouting Method: Gravity method Diameter (in) Bentonite (fbs.) Neat Cement (fbs.) Water (gal.) Gravel Pack 1 8 2 Morie #1 Gravel Pack 3 G	PROPERTY OWNER: NISAN 12 LLC							
WELL LOCATION: Nisan 12, LLC Address: 1 Burma Road County: Hudson Municipality: Jersey City Lot: 11 Block: 21503 Easting (X): 612314 Northing (Y): 680517 Coordinate System: NJ State Plane (NAD83) - USFEET DATE WELL STARTED: May 27, 2016 DATE WELL COMPLETED: May 27, 2016 WELL USE: MONITORING Other Use(s):	Company/Org	ganization: <u>N</u>	isan 12, LLC					
Address: 1 Burma Road County: Hudson Municipality: Jersey City Lot: 11 Block: 21503 Easting (X): 612314 Northing (Y): 680517 DATE WELL STARTED: May 27, 2016 Coordinate System: NJ State Plane (NAD83) - USFEET DATE WELL COMPLETED: May 27, 2016 WELL USE: MONITORING Date WELL COMPLETED: May 27, 2016 WELL CONSTRUCTION Total Depth Drilled (ft.): 8 Well Surface: Flush Mount Total Depth Drilled (ft.): 8 8 (lbs/ch no.) Bottom (ft.) Borehole 0 8 8 (lbs/ch no.) Casing 0 3 2 PVC Sch 40 Screen 3 8 2 PVC 010 Cording Method: Depth to Douter Inner Material Material Grout 0 8 2 6 3 3 Gravel Pack 1 8 2 6 3 3 Gravel Pack 1 8 8 2 6 3	Address: 1	Burma Dr Jers	ey City, New J	ersey 07305				
County: Hudson Municipality: Jersey City Lot: 11 Block: 21503 Easting (X): 612314 Northing (Y): 680517 DATE WELL STARTED: May 27, 2016 Coordinate System: NJ State Plane (NAD83) - USFEET DATE WELL COMPLETED: May 27, 2016 DATE WELL COMPLETED: May 27, 2016 WELL USE: MONITORING	WELL LOC	ATION: Nis	an 12, LLC					
Easting (X): 612314 Northing (Y): 680517 Coordinate System: NJ State Plane (NAD83) - USFEET DATE WELL STARTED: May 27, 2016 WELL USE: MONITORING DATE WELL COMPLETED: May 27, 2016 WELL USE: MONITORING Local ID: May 27, 2016 WELL CONSTRUCTION Image: Complete Co	Address: 1	Burma Road						
Coordinate System: NJ State Plane (NAD83) - USFEET DATE WELL COMPLETED: May 27, 2016 WELL USE: MONITORING Image: Colspan="2">Coordinate System: NJ State Plane (NAD83) - USFEET WELL USE: MONITORING Image: Colspan="2">Local ID: MW-102 WELL CONSTRUCTION Total Depth to Top (ft.) Bottom (ft.) (inches) Material Well Surface: Flush Mount Borehole 0 8 8 Coordinates Material Wgt/Rating/Screen # Used (Ibs/ch no.) Borehole 0 8 8 Coordinates Material Wgt/Rating/Screen # Used (Ibs/ch no.) Borehole 0 8 8 Coordinates Screen 3 8 2 PVC Sch 40 Screen 3 8 2 PVC .010 Material .010 Grout 0 1 8 2 6 3	County: Hu	dson	Municipality	y: Jersey City		Lot: 11	Block: 2	1503
WELL USE: MONITORING Other Use(s): Local ID: MW-102 WELL CONSTRUCTION Total Depth to Diameter Material Well Surface: Flush Mount Other Use(s): 8 Finished Well Depth (ft.): 8 Well Surface: Flush Mount Depth to Depth to Diameter Material Wgt/Rating/Screen # Used (ibs/ch no.) Borehole 0 8 8	Easting (X):612314 Northing (Y):680517					DATE WELL ST	CARTED: May 27, 20)16
Other Use(s): Local ID: MW-102 WELL CONSTRUCTION Total Depth Drilled (ft.): 8 Well Surface: Flush Mount Depth to Depth to Diameter Material Wgt/Rating/Screen # Used (lbs/ch no.) Borehole 0 8 8 (lbs/ch no.) Casing 0 3 2 PVC Sch 40 Screen 3 8 2 PVC .010 Casing 0 1 8 2 6 .010 Grout 0 1 8 2 6 .010 .010 Grout 0 1 8 2 6 .010	Coordin	nate System: N	J State Plane (NAD83) - USFE	EET DA	ATE WELL COMI	PLETED: May 27, 20)16
WELL CONSTRUCTION Total Depth Drilled (ft.): 8 Finished Well Depth (ft.): 8 Well Surface: Flush Mount Depth to Depth to Diameter Material Wgt/Rating/Screen # Used Top (ft.) Bottom (ft.) (inches) (inches) (ibc/n no.) Borehole 0 8 8 Casing 0 3 2 PVC Sch 40 Screen 3 8 2 PVC .010 Depth to Depth to Outer Inner Material Material Grout 0 1 8 2 6 3 3 Grout 0 1 8 2 6 3 3 Gravel Pack 1 8 8 2 Morie #1 3 3 ADDITIONAL INFORMATION Protective Casing: No Pump Capacity: _ gpm Static Water Level Measure Tool: Tape Drilling Fluid: Drill Rig: Geoprobe 7720 Method of Development Period: _5 hrs. Drill Rig:	WELL USE:	MONITOR	ING					
Total Depth Drilled (ft.): 8 Finished Well Depth (ft.): 8 Well Surface: Flush Mount Depth to Top (ft.) Depth to Bottom (ft.) Diameter (inches) Material Wgt/Rating/Screen # Used (ibs/ch no.) Borehole 0 8 8 (ibs/ch no.) Casing 0 3 2 PVC Sch 40 Screen 3 8 2 PVC .010 Depth to Screen Depth to Depth to Top (ft.) Outer Inner Material Grout 0 1 8 2 6 3 Gravel Pack 1 8 2 Morie #1 3 Grouting Method: Gravity method Drilling Method: Hollow Stem Augers ADDITIONAL INFORMATION Protective Casing: No Static Water Level; 2.5, ft. below land surface Total Design Head: _ ft. Water Level Measure Tool: Tape Drilling Fluid: Pump Capacity: _ gpm Method of Development: Submersible Drill Rig Geoprobe 7720 Health and Safety Plan Submitted? Yes Pump Type: State Singersible Health and Safety Plan Submitted? Yes See Or 8: Brown SM - Silty sands, sand-silt	Other Use(s)	:				Local ID: <u>MV</u>	W-102	
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	WELL CONSTRUCTION							
Top (ft.)Bottom (ft.)(inches)Image: constraint of the sector of the se	Total Depth Drilled (ft.): 8 Finished Well Depth (ft.): 8 Well Surface: Flush Mount						sh Mount	
Casing032PVCSch 40Screen382PVC.010Depth to Top (ft.)Depth to Bottom (ft.)Outer Diameter (in.)Inner Diameter (in.)Material Bentonite (lbs.)Neat Cement (lbs.)Water (gal.)Grout018263Gravel Pack1882Morie #1Grouting Method:Gravity methodDrilling Method:Hollow Stem AugersPortective Casing: NoStatic Water Level:2.5 ft. below land surface Mater Level Measure Tool:Pump Capacity: _gpm Total Design Head: _ ft. Drilling Fluid:Weth od of Development:Submersible Health and Safety Plan Submitted?YesPump Type:ATTACHMENTS:It is in the sume submitted?GEOLOGIC LOG 0 - 8: Brown SM - Silty sands, sand-silt mixturesIt is in the sume submitted?						Material		
Screen 3 8 2 PVC .010 Depth to Top (ft.) Depth to Bottom (ft.) Depth to Diameter (in.) Inner Diameter (in.) Inner Bentonite (lbs.) Neat Cement (lbs.) Water (gal.) Grout 0 1 8 2 6 3 Gravel Pack 1 8 8 2 Morie #1 Grouting Method: Gravity method Drilling Method: Hollow Stem Augers ADDITIONAL INFORMATION Protective Casing: No Static Water Level: 90 Pump Capacity: _ gpm Total Design Head: _ ft. Water Level: 2.5 ft. below land surface Total Design Head: _ ft. Well Development Period: .5 hrs. Drilling Fluid: Wethod of Development: Submersible Health and Safety Plan Submitted? Yes Pump Type: ATTACHMENTS: GeoLOGIC LOG 0	Borehole	0	8	8				
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To p (ft.)Botom (ft.)Diameter (in.)Diameter (in.)Bentonite (lbs.)Neat Cement (lbs.)Water (gal.)Grout018263Gravel Pack1882Morie #1Grouting Method:Gravity methodStem AugersDrilling Method:Hollow Stem AugersADDITIONAL INFORMATION Protective Casing: NoPump Capacity: _ gpmStatic Water Level:2.5 ft. below land surfaceTotal Design Head: _ ft.Water Level Measure Tool:TapeDrilling Fluid:Well Development Period:.5 hrs.Drill Rig: Geoprobe 7720Method of Development:SubmersibleHealth and Safety Plan Submitted? YesPump Type:ATTACHMENTS:GEOLOGIC LOG0 - 8: Brown SM - Silty sands, sand-silt mixtures	Screen	3	8	2		PVC		.010
Grout 0 1 8 2 6 3 Gravel Pack 1 8 8 2 Morie #1 Grouting Method: Gravity method Drilling Method: Hollow Stem Augers ADDITIONAL INFORMATION Pump Capacity: _ gpm Drilling Method: _ ft. Dump Capacity: _ gpm Static Water Level: 2.5 ft. below land surface Drilling Fluid: Drilling Fluid: Water Level Measure Tool: Tape Drilling Fluid: Drilling Fluid: Well Development Period: 5 hrs. Drill Rig: Geoprobe 7720 Health and Safety Plan Submitted? Yes Method of Development: Submersible Health and Safety Plan Submitted? Yes Yes Or - 8: Brown SM - Silty sands, sand-silt mixtures Gamma Safety Safe					-			
Gravel Pack 1 8 8 2 Morie #1 Grouting Method: Gravity method Drilling Method: Hollow Stem Augers ADDITIONAL INFORMATION Pump Capacity: _ gpm Protective Casing: No Pump Capacity: _ gpm Static Water Level: 2.5 ft. below land surface Water Level Measure Tool: Tape Drilling Fluid: Well Development Period: .5 hrs. Drill Rig: Geoprobe 7720 Method of Development: Submersible Health and Safety Plan Submitted? Yes Pump Type: GEOLOGIC LOG 0 - 8: Brown SM - Silty sands, sand-silt mixtures	Crosst				. ,		Neat Cement (lbs.)	
Grouting Method: Gravity method Drilling Method: Hollow Stem Augers ADDITIONAL INFORMATION Pump Capacity: _ gpm Protective Casing: No Pump Capacity: _ gpm Static Water Level: 2.5 ft. below land surface Total Design Head: _ ft. Water Level Measure Tool: Tape Drilling Fluid: Well Development Period: .5 hrs. Drill Rig: Geoprobe 7720 Method of Development: Submersible Health and Safety Plan Submitted? Yes Pump Type: GEOLOGIC LOG 0 - 8: Brown SM - Silty sands, sand-silt mixtures		-				0	Morie #1	3
ADDITIONAL INFORMATIONProtective Casing: NoPump Capacity: _ gpmStatic Water Level: 2.5 ft. below land surfaceTotal Design Head: _ ft.Water Level Measure Tool: TapeDrilling Fluid:Well Development Period: .5 hrs.Drill Rig: Geoprobe 7720Method of Development: SubmersibleHealth and Safety Plan Submitted? YesPump Type:Image: Ceologic Log0 - 8: Brown SM - Silty sands, sand-silt mixturesImage: Ceologic Log				-		lling Method: Holl		
Protective Casing: NoPump Capacity: _gpmStatic Water Level: 2.5 ft. below land surfaceTotal Design Head: _ft.Water Level Measure Tool: TapeDrilling Fluid:Well Development Period: .5 hrs.Drill Rig: Geoprobe 7720Method of Development: SubmersibleHealth and Safety Plan Submitted? YesPump Type:Image: Ceologic Log0 - 8: Brown SM - Silty sands, sand-silt mixturesImage: Ceologic Log	-							
GEOLOGIC LOG 0 - 8: Brown SM - Silty sands, sand-silt mixtures	Protective Casing: NoPump Capacity: _gpmStatic Water Level: 2.5 ft. below land surfaceTotal Design Head: _ft.Water Level Measure Tool: TapeDrilling Fluid:Well Development Period: .5 hrs.Drill Rig: Geoprobe 7720Method of Development: SubmersibleHealth and Safety Plan Submitted? Yes							
0 - 8: Brown SM - Silty sands, sand-silt mixtures								
ADDITIONAL INFORMATION:			ds, sand-silt mi	xtures				
	ADDITIONA	AL INFORM	ATION:					

New Jersey Department of Environmental Protection Site Remediation Program MONITORING WELL CERTIFICATION FORM A - AS-BU CERTIFICATION SECTION A. SITE NAME AND LOCATION	JILT Date Stamp (For Department use only)					
Site Name: Site 063						
List all AKAs: Baldwin Oil						
Street Address: 1 Burma Road						
Municipality: Jersey City (Township, B	Borough or City)					
County: Hudson Zip Code: 07	07305					
Program Interest (PI) Number(s): <u>G000008691</u> Case Trackin	ng Number(s):					
SECTION B. WELL OWNER AND LOCATION 1. Name of Well Owner Nisan 12, LLC 2. Well Location (Street Address) 1 Burma Road						
3. Well Location (Municipal Block and Lot) Block# 21503	Lot # 11					
SECTION C. WELL LOCATION SPECIFICS						
1. Well Permit Number (This number must be permanently affixed to the well casing	ng):E201606013					
2. Site Well Number as shown on application or plans):	MW-102					
3. Well Completion Date:	5/27/2016					
4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'):	0.35					
5. Total Depth of Well to the nearest 1/2 foot:	8					
6. Depth to Top of Screen (or top of open hole) from top of casing (nearest 0.01'):						
7. Screen Length (or length of open hole) in feet:	5					
8. Screen or Slot Size:	0.010					
9. Screen or Slot Material:	PVC					
10. Casing Material (PVC, steel, or other – specify):	PVC					
11. Casing Diameter (inches):	2					
12. Static Water Level from top of casing at the time of installation (nearest 0.01'):	1.90					
13. Yield (gallons per minute):	2					
14. Development Techinque (specify):	Pump and surge					
15. Length of Time well is developed/pumped or bailed (hours and minutes):	0.5					

(-	New Jersey Department of Envi Site Remediation Program					
V	Monitoring Well Certification Fo	cation	Date Stamp (For Department use only)			
SE	CTION A. SITE NAME AND LOCATION					
Site	e Name: Nisan 12, LLC					
	t all AKAs: PPG Site 063/065					
	eet Address: 1 Burma Road					
	nicipality: Jersey City			Borough or City)		
1	unty: Hudson		Zip Code: (<i>2</i>	
Pro	ogram Interest (PI) Number(s): G00008691		Case Trac	cking Number(s)		
	CTION B. WELL OWNER AND LOCATION					
1	Name of Well Owner Nisan 12, LLC					
1	Well Location (Street Address) 1 Burma Road		2	1:	1	
-		ock# 2150	3	Lot # _1		
SE	CTION C. WELL LOCATION SPECIFICS					
1⊛	Well Permit Number (This number must be perman			ig): E20160601	3	
2,	Site Well Number (As shown on application or plan	s): MW-10	02			
3.	Geographic Coordinate NAD 83 to nearest 1/100 or	f a second:		74 00 50 50		
	Latitude: North <u>40-42-02.84</u>		Longitude: We			
4.	New Jersey State Plane Coordinates NAD 83 datur	m, US surve		earest foot:		
	North 680490		East 612301			
5.	Elevation of Top of Inner Casing (cap off) at referen					
	Elevation Top of Outer casing: 8.88 Check one: X NAVD 88 NVGD29	On Site Da	ition of ground: <u>8.</u> tum □ Other			
	Check one: X NAVD 88 NVGD29 Source of elevation datum (benchmark, number/de			a) If an on-site	datum is used identify	
6.	here, assume datum of 100', and give approximate				datum is used, identity	
	GPS observations using KEYNET VRS S	YSTEM in	NAVD88			
7.	Significant observations and notes:					
1.	organicant observations and hotes.					
SE	CTION D. LAND SURVEYOR'S CERTIFICATION			SEAL		
I certify under penalty of law that I have personally examined and am familiar with the						
information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the						
submitted information is true, accurate and complete. I am aware that there are significant						
1 ·	alties for submitting false information including the pos	sibility of fin	and imprisonme	nt.		
		lown,	My		Date /0//0/16	
	veyor's Name: R. Thomas Hugg		~/	License Numb		
Firr	n Name: Maser Consulting P.A.		Certificate o	of Authorization	#: 24GA27986500	
Ma	iling Address 156 Stagecoach Road					
City	//Town: Marmora	State	New Jersey		Code: 08223	
Pho	one Number 609-390-1927	Ext.:	4419	Fax: 609	-390-0040	



Well Permit Number E201606012

WELL PERMIT

New Well The New Jersey Department of Environmental Protection grants this permit in accordance with your application, attachments accompanying same application, and applicable laws and regulations. This permit is also subject to further conditions and stipulations enumerated in the supporting documents which are agreed to by the permittee upon acceptance of the permit **Certifying Driller:** BRIAN D KOKOT, JOURNEYMAN LICENSE # 0017863 **Permit Issued to:** ENVIRONMENTAL PROBING INVESTIGATION Company Address: 833 MONMOUTH RD CREAM RIDGE, NJ 08514 **PROPERTY OWNER** Name: NISAN 12 LLC Organization: Nisan 12, LLC Address: 1 Burma Dr City: Jersey City State: New Jersey Zip Code: 07305 **PROPOSED WELL LOCATION** Facility Name: Nisan 12, LLC Address: 1 Burma Road

 County:
 Hudson
 Municipality:
 Jersey City
 Lot:
 11
 Block:
 21503

 Easting (X): 612218 ____ Northing (Y): ____680470 Local ID: MW-103 Coordinate System: NJ State Plane (NAD83) - USFEET SITE CHARACTERISTICS PROPOSED CONSTRUCTION WELL USE: MONITORING Other Use(s): Regulatory Program Diameter (in.): 2 Requiring Wells/Borings: Depth (ft.): 7 Case ID Number: Pump Capacity (gpm): 0 Deviation Requested: N Drilling Method: Hollow Stem Augers Attachments:

SPECIFIC CONDITIONS/REQUIREMENTS

 Approval Date:
 May 23, 2016

 Expiration Date:
 May 23, 2017

Approved by the authority of: Bob Martin Commissioner

Well Permit -- Page 1 of 2

Jerry D. P. lawski

Terry Pilawski, Chief Bureau of Water Allocation and Well Permitting

New Well

DEVIATION INFORMATION				
Purpose:				
Unusual Conditions:				
Reason for Deviation:				
Proposed Well Construction				

GENERAL CONDITIONS/REQUIREMENTS

A copy of this permit shall be kept at the worksite / on the property and shall be exhibited upon request. [N.J.A.C. 7:9D-1]

A well record must be submitted by the well driller to the Bureau of Water Systems and Well Permitting. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the well record shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Record: within ninety (90) days after the well is completed.[N.J.A.C. 7:9D-1]

All well drilling/pump installation activities shall comply with N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]

For this permit to remain valid, the well approved in this permit shall be constructed within one year of the effective date of the permit. [N.J.A.C. 7:9D-1]

If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Bureau of Water Systems and Well Permitting. [N.J.A.C. 7:9D-1]

If the use of the well is to be changed a well permit for the proposed use of the well shall be submitted for review and approval. [N.J.A.C. 7:9D-1]

If you or a future property owner intend to redesignate this well as a Category 1 well (domestic, non-public, community water supply or public non-community water supply wells), the well must be constructed as a Category 1 well per the Well Construction and Abandonment Regulations at N.J.A.C. 7:0D-1.1 et seq. In addition, if the current or future property owner intends to have this well redesignated as a community water supply well, the well must be constructed by a Master well driller, which would include having a Master well driller on-site at all times during construction of the well, as specified in the Well Construction and Abandonment Regulations. Otherwise, the New Jersey Department of Environmental Protection will not allow the well to be redesignated, and a new well would have to be installed. [N.J.A.C. 7:9D-1.7((a))1i]

In accepting this permit the Property Owner and Driller agree to abide by the following terms and conditions [N.J.A.C. 7:9D-1] In the event that this well is not constructed the well driller shall notify the Bureau of Water Systems and Well Permitting of the permit cancellation. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the Cancellation notification shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Permit Cancellation : by the expiration date of this permit.[N.J.A.C. 7:9D-1]

In the event this well is abandoned, the Owner or Well driller shall assume full responsibility for having the well decommissioned in a manner satisfactory to the New Jersey Department of Environmental Protection in accordance with the provisions of N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]

The granting of this permit shall not be construed in any way to affect the title or ownership of property, and shall not make the New Jersey Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:9D-1]

The issuance of this permit shall not be deemed to affect in any way action by the New Jersey Department of Environmental Protection on any future application. [N.J.A.C. 7:9D-1]

This permit conveys no rights, either expressed, or implied to divert water. [N.J.A.C. 7:9D-1]

This permit does not waive the obtaining of Federal or other State or local Government consent when necessary. This permit is not valid and no work shall be undertaken until such time as all other required approvals and permits have been obtained. [N.J.A.C. 7:9D-1] This permit is NONTRANSFERABLE [N.J.A.C. 7:9D]

PROPERTY OWNER: NISAN 12 LLC							
Company/Org	ganization: <u>N</u>	isan 12, LLC					
Address: 1	Burma Dr Jers	ey City, New J	ersey 07305				
WELL LOC	ATION: Nis	san 12, LLC					
Address: 1	Burma Road						
County: Hu	dson	_ Municipality	y: Jersey City		Lot: 11	Block: 21	503
			(Y): <u>680470</u>		DATE WELL ST	CARTED: May 27, 20	16
Coordinate System: NJ State Plane (NAD83) - USFEET DATE WELL COMPLETED: May 27, 2016							
WELL USE:	MONITOR	ING					
Other Use(s)	:				Local ID: MV	W-103	
WELL CON	STRUCTION	I					
Total Depth	Drilled (ft.):	7	Finished We	ll Depth (ft.):	7	Well Surface: Flus	h Mount
	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)		Material		g/Screen # Used s/ch no.)
Borehole	0	7	8				
Casing	0	2	2		PVC	S	Sch 40
Screen	2	7	2		PVC		.010
	Depth to	Depth to	Outer	Inner		Material	
Grout	Top (ft.)	Bottom (ft.)	Diameter (in.) 8	Diameter (in)	Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.) 3
Gravel Pack	1	7	8	2	0	Morie #1	3
	hod: Gravity		-		illing Method: Holl		
ADDITIONAL INFORMATION Pump Capacity: _ gpm Protective Casing: No Pump Capacity: _ gpm Static Water Level: 2.5 ft. below land surface Total Design Head: _ ft. Water Level Measure Tool: Tape Drilling Fluid: Well Development Period: .5 hrs. Drill Rig: Geoprobe 7720 Method of Development: Submersible Health and Safety Plan Submitted? Yes							
ATTACHM							
GEOLOGIC 0 - 7: Brown S		ds, sand-silt mi	xtures				
ADDITIONA	AL INFORMA	ATION:					

New Jersey Department of Environmental F Site Remediation Program MONITORING WELL CERTIFICATION FORM CERTIFICATION	Date Stamp (For Department use only)					
SECTION A. SITE NAME AND LOCATION Site Name: Site 063						
List all AKAs: Baldwin Oil						
Street Address: 1 Burma Road						
Municipality: Jersey City	(Township, Borough o	or City)				
County: Hudson	Zip Code: 07305					
Program Interest (PI) Number(s): G000008691	Case Tracking Numb	er(s):				
SECTION B. WELL OWNER AND LOCATION 1. Name of Well Owner Nisan 12, LLC 2. Well Location (Street Address) 1 Burma Road,						
3. Well Location (Municipal Block and Lot) Block# 21503	L	ot # 11				
SECTION C. WELL LOCATION SPECIFICS						
1. Well Permit Number (This number must be permanently affixed to	the well casing): E2	E201606012				
2. Site Well Number as shown on application or plans):	M	MW-103				
3. Well Completion Date:		5/27/2016				
4. Distance from Top of Casing (cap off) to ground surface (nearest (0.01'):	0.50				
5. Total Depth of Well to the nearest ½ foot:		7				
6. Depth to Top of Screen (or top of open hole) from top of casing (no	earest 0.01'):	2.00				
7. Screen Length (or length of open hole) in feet:	5	5				
8. Screen or Slot Size:	0.0	010				
9. Screen or Slot Material:	P\	/C				
10. Casing Material (PVC, steel, or other – specify):	P\	/C				
11. Casing Diameter (inches):	2					
12. Static Water Level from top of casing at the time of installation (ne	1	45				
13. Yield (gallons per minute):						
14. Development Techinque (specify):	Su	ubmersible Pump				
15. Length of Time well is developed/pumped or bailed (hours and mir	o.tes):	5				

6	Site Moni	Jersey Department of Remediation Program toring Well Certification			ation	Date Stamp (For Department use only)
		G Site 063/065				
	t all AKAs: PP eet Address: 1					
		ey City		(Township, Bo	rough or City)	
I	unty: Hudson			Zip Code: 07	-	
	gram Interest (Pl) Number(s): G00008691			king Number(s)	:
SE (CTION B. WELL Name of Well O	OWNER AND LOCATION				
	Well Location (S		Block# 2150	3	Lot # 1	1
		Aunicipal Block and Lot)		ب		
1. 2. 3. 4. 5.	Well Permit Nur Site Well Number Geographic Coo Latitude: North New Jersey Sta North <u>680462</u> Elevation of Top Elevation Top of <i>Check one</i> : Source of eleva here, assume da GPS observa	te Plane Coordinates NAD 8 o of Inner Casing (cap off) at f Outer casing: <u>8.37</u>	or plans): <u>MW-10</u> 1/100 of a second: 33 datum, US surve reference mark (r Elevat On Site Dat On Site Dat ber/description an 	Longitude: West ey feet units, to nea East <u>612221</u> nearest 0.01'): <u>7.91</u> tion of ground: <u>8.40</u> um Other d elevation/datum) vation (referencing	74-04-00.60 arest foot: 1 0	
l ce info tho sub per Pro Sur Firr	ertify under penalty ormation submitted se individuals imm omitted information nalties for submitti ofessional Land S rveyor's Name:	 SURVEYOR'S CERTIFICA of law that I have personally d in this document and all attanediately responsible for obtain in is true, accurate and completing false information including Surveyor's Signature: R. Thomas Hugg Consulting P.A. 156 Stagecoach Road 	examined and am t chments and that, k ining the information ete. I am aware that	based on my inquiry n, I believe the there are significar e and imprisonment	t. License Numb	Date <u>10/10</u> er: 24GS03673700 #: 24GA27986500
	y/Town: <u>Marmo</u>		State	New Jersey	Zi	o Code: 08223
I .	one Number	609-390-1927	Ext.:	4419	Fax:609	9-390-0040

			izon Center		WELL NU	IMBER MW-103 PAGE 1 OF 1		
Â	MIT	Trenton	, NJ 08691					
	CLIENT PPG				PROJECT NAME_Site 63/65			
					PROJECT LOCATION 1 Burma Road, Jersey City, New Jersey			
					GROUND ELEVATION 8.40 ft HOLE			
					$\overline{2}$ WATER LEVEL DRILLING 7.00 ft / Elev 2.	00 ft		
DRILLING METHOD Track mounted geoprobe LOGGED BY KT CHECKED BY JA								
2								
DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG		MATERIAL D	ESCRIPTION	WELL DIAGRAM Casing Top Elev: 7.91 (ft) Casing Type: flush		
0.0			DGA					
	-					■ bentonite ■ filter sand 2" 0.10 Slot		
5.0	-		<u>6.8</u> 7.0 ∑ Medium	Brown SAND, little, m-c gravel, ser		Screen		
				Bottom of bore	hole at 7.0 feet.			

Well Permit Number E201707273

WELL PERMIT

New Well

accompanying same application	of Environmental Protection grants t ion, and applicable laws and regulation documents which are agreed to by the	ons. This permit is also	subject to fu	in the conditions and stipulations			
Certifying Driller: B	RIAN D KOKOT, JOURNEYMAN	LICENSE # 0017863					
Permit Issued to: El	NVIRONMENTAL PROBING INV	ESTIGATION					
Company Address: 83	Company Address: 833 MONMOUTH RD CREAM RIDGE, NJ 08514						
PROPERTY OWNER							
Name: <u>CITY OF JERSE</u>	EY CITY						
Organization: <u>City of Jersey</u>	y City						
Address: 280 Grove St							
City: Jersey City	State: New Jerse	у	Zip Code:	07302			
PROPOSED WELL LOCA	TION						
Facility Name: Roadways							
Address: Morris Pesin Driv	/e						
County: Hudson Municipality: Jersey City Lot: ROW Block: ROW							
Easting (X): 612090 Northing (Y): 680155 Local ID: MW-201							
Coordinate System: NJ	State Plane (NAD83) - USFEET						
SITE CHARACTERISTIC	S						
PROPOSED CONSTRUCT	ΓION						
WELL USE: MONITORIN	NG	Other Use(s):					
Diameter (in.): 2 Regulatory Program Requiring Wells/Borings:							
Depth (ft.): 10 Case ID Number:							
Pump Capacity (gpm): 0 Deviation Requested: N							
Drilling Method: Hollow St	Drilling Method: Hollow Stem Augers						
Attachments:	Attachments:						

SPECIFIC CONDITIONS/REQUIREMENTS

Approval Date:June 26, 2017Expiration Date:June 26, 2018

Approved by the authority of: Bob Martin Commissioner

Well Permit -- Page 1 of 2

Jerry D. P. lawski

New Well

DEVIATION INFORMATION				
Purpose:				
Unusual Conditions:				
Reason for Deviation:				
Proposed Well Construction				

GENERAL CONDITIONS/REQUIREMENTS

A copy of this permit shall be kept at the worksite / on the property and shall be exhibited upon request. [N.J.A.C. 7:9D-1]

A well record must be submitted by the well driller to the Bureau of Water Systems and Well Permitting. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the well record shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Record: within ninety (90) days after the well is completed.[N.J.A.C. 7:9D-1]

All well drilling/pump installation activities shall comply with N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]

For this permit to remain valid, the well approved in this permit shall be constructed within one year of the effective date of the permit. [N.J.A.C. 7:9D-1]

If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Bureau of Water Systems and Well Permitting. [N.J.A.C. 7:9D-1]

If the use of the well is to be changed a well permit for the proposed use of the well shall be submitted for review and approval. [N.J.A.C. 7:9D-1]

If you or a future property owner intend to redesignate this well as a Category 1 well (domestic, non-public, community water supply or public non-community water supply wells), the well must be constructed as a Category 1 well per the Well Construction and Abandonment Regulations at N.J.A.C. 7:0D-1.1 et seq. In addition, if the current or future property owner intends to have this well redesignated as a community water supply well, the well must be constructed by a Master well driller, which would include having a Master well driller on-site at all times during construction of the well, as specified in the Well Construction and Abandonment Regulations. Otherwise, the New Jersey Department of Environmental Protection will not allow the well to be redesignated, and a new well would have to be installed. [N.J.A.C. 7:9D-1.7((a))1i]

In accepting this permit the Property Owner and Driller agree to abide by the following terms and conditions [N.J.A.C. 7:9D-1] In the event that this well is not constructed the well driller shall notify the Bureau of Water Systems and Well Permitting of the permit cancellation. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the Cancellation notification shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Permit Cancellation : by the expiration date of this permit.[N.J.A.C. 7:9D-1]

In the event this well is abandoned, the Owner or Well driller shall assume full responsibility for having the well decommissioned in a manner satisfactory to the New Jersey Department of Environmental Protection in accordance with the provisions of N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]

The granting of this permit shall not be construed in any way to affect the title or ownership of property, and shall not make the New Jersey Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:9D-1]

The issuance of this permit shall not be deemed to affect in any way action by the New Jersey Department of Environmental Protection on any future application. [N.J.A.C. 7:9D-1]

This permit conveys no rights, either expressed, or implied to divert water. [N.J.A.C. 7:9D-1]

This permit does not waive the obtaining of Federal or other State or local Government consent when necessary. This permit is not valid and no work shall be undertaken until such time as all other required approvals and permits have been obtained. [N.J.A.C. 7:9D-1] This permit is NONTRANSFERABLE [N.J.A.C. 7:9D]

Well Permit Number **E201707273**

PROPERTY OWNER: CITY OF JERSEY CITY								
Company/Organization: City of Jersey City								
Address: 28	Address: 280 Grove St Jersey City, New Jersey 07302							
WELL LOC	ATION: Ro	adways						
Address: M	orris Pesin Dr	ive						
County: <u>Hu</u>	County: Hudson Municipality: Jersey City Lot: ROW Block: ROW							
Easting (X):	Easting (X): <u>612090</u> Northing (Y): <u>680155</u> DATE WELL STARTED: July 6, 2017						7	
Coordii	nate System: N	IJ State Plane (NAD83) - USFI	EET DA	ATE WELL COM	PLETED: July 6, 201	7	
WELL USE:	MONITOR	ING						
Other Use(s)	:				Local ID:	W-201		
WELL CON	STRUCTION	1						
Total Depth	Drilled (ft.):	10	Finished We	ll Depth (ft.):	10	Well Surface: Flus	sh Mount	
Depth to Depth to Diameter Material Wgt/Rat					ng/Screen # Used			
	Top (ft.)	Bottom (ft.)	(inches)			(lb	s/ch no.)	
Borehole	0	10	8					
Casing	0	5	2		PVC		Sch 40	
Screen	5	10	2		PVC		.010	
	Depth to	Depth to	Outer	Inner				
	Top (ft.)	Bottom (ft.)	Diameter (in.)	Diameter (in)	Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)	
Grout	0	3	8	2	15		7.5	
Gravel Pack	3	10	8	2		Morie #1		
Grouting Met	hod: <u>Gravity</u>	method		Dri	lling Method: Holl	ow Stem Augers		
ADDITIONAL INFORMATIONProtective Casing: NoPump Capacity: _gpmStatic Water Level: 5 ft. below land surfaceTotal Design Head: _ft.Water Level Measure Tool: TapeDrilling Fluid:Well Development Period: .5 hrs.Drill Rig: Geoprobe 7720Method of Development: SubmersibleHealth and Safety Plan Submitted? YesPump Type:Pump Type:								
ATTACHMENTS:								
GEOLOGIC								
	05: Black OT - Other Top soil & Grass .5 - 8: Brown SM - Silty sands, sand-silt mixtures							
	-		iixtures					
	8 - 10: Brown OT - Other Meadow Mat							
ADDITIONA	ADDITIONAL INFORMATION:							

New Jersey Department of Environmental F Site Remediation Program MONITORING WELL CERTIFICATION FORM CERTIFICATION		Date Stamp (For Department use only)			
SECTION A. SITE NAME AND LOCATION Site Name: Site 063					
List all AKAs: Baldwin Oils					
Street Address: 1 Burma Road					
Municipality: Jersey City	(Township, Borough	or City)			
County: Hudson	Zip Code: 07305				
Program Interest (PI) Number(s): G000008691	Case Tracking Num	ber(s):			
SECTION B. WELL OWNER AND LOCATION 1. Name of Well Owner Nisan 12, LLC 2. Well Location (Street Address) 1 Burma Road,					
3. Well Location (Municipal Block and Lot) Block# 21503		Lot # 11			
SECTION C. WELL LOCATION SPECIFICS					
1. Well Permit Number (This number must be permanently affixed to	the well casing):	E201707273			
2. Site Well Number as shown on application or plans):		MW-201			
3. Well Completion Date:		7/6/17			
4. Distance from Top of Casing (cap off) to ground surface (nearest (0.01'):	0.5			
5. Total Depth of Well to the nearest 1/2 foot:		0			
6. Depth to Top of Screen (or top of open hole) from top of casing (n	earest 0.01'):5	;			
7. Screen Length (or length of open hole) in feet:		5			
8. Screen or Slot Size:		0.010			
9. Screen or Slot Material:	F	VC			
10. Casing Material (PVC, steel, or other – specify):	F	PVC			
11. Casing Diameter (inches):		2			
12. Static Water Level from top of casing at the time of installation (ne	arest 0.01'):5	5			
13. Yield (gallons per minute):					
14. Development Techinque (specify):	F	Pump and surge			
15. Length of Time well is developed/pumped or bailed (hours and mi	nutes):).5			

	New Jersey Department of Site Remediation Program								
V	Monitoring Well Certification								
	Ŷ				Date Stamp (For Department use only)				
SE	CTION A. SITE NAME AND LOCATION								
Site	Name: Nisan 12, LLC								
I	all AKAs: PPG Site 063/065								
Str	eet Address: 1 Burma Road								
Mu	nicipality: Jersey City		(Township, Bo						
Co	unty: Hudson		Zip Code: 07	305					
Pro	gram Interest (PI) Number(s): G00008691		Case Track	ng Number(s)					
SE	CTION B. WELL OWNER AND LOCATION								
I	Name of Well Owner City of Jersey City								
2.	Well Location (Street Address) Morris Pe								
3.	Well Location (Municipal Block and Lot)	Block# In Ro	ad R.O.W.	Lot # In	Road R.O.W.				
SE	CTION C. WELL LOCATION SPECIFICS								
1.	Well Permit Number (This number must be p	permanently affixed	d to the well casing)	E20170727	3				
2.	Site Well Number (As shown on application	or plans): MW-20	01						
3.	Geographic Coordinate NAD 83 to nearest 1	I/100 of a second:							
	Latitude: North <u>40-41-59.40</u>		Longitude: West	74-04-02.29					
4.	New Jersey State Plane Coordinates NAD 8	3 datum, US surve		rest foot:					
	North 680140		East 612093						
5.	Elevation of Top of Inner Casing (cap off) at								
	Elevation Top of Outer casing: 9.32		tion of ground: 9.32						
	Check one: 🛛 NAVD 88 🗌 NVGD29 📋 On Site Datum 📋 Other								
6.	Source of elevation datum (benchmark, num here, assume datum of 100', and give appro				datum is used, identify				
	GPS observations using KEYNET V	RS SYSTEM in	NAVD88						
7.	Significant observations and notes:								
	-	9							
SE	CTION D. LAND SURVEYOR'S CERTIFICA	TION		SEAL					
	rtify under penalty of law that I have personally			of					
tho	information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the								
	submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.								
l .	fessional Land Surveyor's Signature:	home	Anno -	L	Date 8/25/17				
I	veyor's Name: R. Thomas Hugg	. 0,		icense Numbe	er: 24GS03673700				
	n Name: Maser Consulting P.A.				#: 24GA27986500				
	Mailing Address 500 Scarborough Drive, Suite 108								
	/Town: Egg Harbor Twp.	State	New Jersey	Zin	Code: 08234				
	one Number 609-390-1927	Ext.:	4419		-390-0040				

				zon Center NJ 08691	WELL NU	JMBER MW-201 PAGE 1 OF 1	
	AP	ΓΙΜ	Trenton	NJ 00091			
	PROJECT NUMBER						
					GROUND ELEVATION 9.32 ft HOLE		
					$ \frac{\nabla}{2}$ WATER LEVEL DRILLING <u>5.00 ft / Elev 3.</u>	.56 ft	
2	DRILLING METHOD Track mounted geoprobe						
2				CHECKED BY JA	_		
	NOTES		1		—		
	o DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL	DESCRIPTION	WELL DIAGRAM	
j	0.0		¢	Brown coarse SAND, little medium sub ro	unded gravel, semi dense, dry	Casing Type: flush	
			。 () () () () () () () () () () () () ()	2.0	6.	✓ bentonite	
5	2.5			Black coarse angular FILL, semi dense, d	ry		
5	_2.5_					filter sand	
				3.0	5.		
	 _ <u>5.0</u>			Brown silty SAND, some coarse angular g 5.0 <u>⊽</u> Red m-c SAND, dense, wet		<u>6</u>	
				6.0 Brown f-m SAND, trace coarse angular gr	avel, loose, wet	<u>6</u>	
	7.5			9.0	-0.	2" 0.10 Slot Screen	
ł			<u> <u> </u></u>	MEADOW MAT	-0.		
			<u>1, \\1,</u>				
	10.0		<u> </u>	10.0	-1.	4	
				Bottom of bor	ehole at 10.0 feet.		

Well Permit Number E201707274

WELL PERMIT

New Well

accompanying same applic	ent of Environmental Protection grants t cation, and applicable laws and regulati	ons. This permit is also	subject to fu	in the conditions and stipulations		
11	ing documents which are agreed to by t BRIAN D KOKOT, JOURNEYMAN	1 1 1	tance of the	permit		
• • •	·					
Permit Issued to: ENVIRONMENTAL PROBING INVESTIGATION Company Address: 833 MONMOUTH RD CREAM RIDGE, NJ 08514						
Company Address. 055 MONMOUTH RD CREAM RIDGE, NJ 00514						
PROPERTY OWNER						
Name: CITY OF JER						
Organization: City of Jer	rsey City					
Address: 280 Grove St						
City: Jersey City	State: New Jerse	ey	Zip Code:	07302		
PROPOSED WELL LO	CATION					
Facility Name: Roadway	S					
Address: Burma Road						
County: Hudson	Municipality: Jersey City	Lot: ROW		Block: ROW		
Easting (X): 612267	Northing (Y): 680276	Local ID:	MW-202			
Coordinate System:	NJ State Plane (NAD83) - USFEET					
SITE CHARACTERIST	ICS					
PROPOSED CONSTRU	CTION					
WELL USE: MONITO	RING	Other Use(s):				
Diameter (in): 2		Regulatory Program				
	Diameter (in.): 2 Requiring Wells/Borings: Depth (ft.): 10 Case ID Number:					
D. THE AMERICAN MILLING COMPANY AND A DESCRIPTION OF A DE						
Attachments:						

SPECIFIC CONDITIONS/REQUIREMENTS

Approval Date:June 26, 2017Expiration Date:June 26, 2018

Approved by the authority of: Bob Martin Commissioner

Well Permit -- Page 1 of 2

Jerry D. P. lawski

Terry Pilawski, Chief Bureau of Water Allocation and Well Permitting

New Well

DEVIATION INFORMATION					
Purpose:					
Unusual Conditions:					
Reason for Deviation:					
Proposed Well Construction					

GENERAL CONDITIONS/REQUIREMENTS

A copy of this permit shall be kept at the worksite / on the property and shall be exhibited upon request. [N.J.A.C. 7:9D-1]

A well record must be submitted by the well driller to the Bureau of Water Systems and Well Permitting. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the well record shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Record: within ninety (90) days after the well is completed.[N.J.A.C. 7:9D-1]

All well drilling/pump installation activities shall comply with N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]

For this permit to remain valid, the well approved in this permit shall be constructed within one year of the effective date of the permit. [N.J.A.C. 7:9D-1]

If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Bureau of Water Systems and Well Permitting. [N.J.A.C. 7:9D-1]

If the use of the well is to be changed a well permit for the proposed use of the well shall be submitted for review and approval. [N.J.A.C. 7:9D-1]

If you or a future property owner intend to redesignate this well as a Category 1 well (domestic, non-public, community water supply or public non-community water supply wells), the well must be constructed as a Category 1 well per the Well Construction and Abandonment Regulations at N.J.A.C. 7:0D-1.1 et seq. In addition, if the current or future property owner intends to have this well redesignated as a community water supply well, the well must be constructed by a Master well driller, which would include having a Master well driller on-site at all times during construction of the well, as specified in the Well Construction and Abandonment Regulations. Otherwise, the New Jersey Department of Environmental Protection will not allow the well to be redesignated, and a new well would have to be installed. [N.J.A.C. 7:9D-1.7((a))1i]

In accepting this permit the Property Owner and Driller agree to abide by the following terms and conditions [N.J.A.C. 7:9D-1] In the event that this well is not constructed the well driller shall notify the Bureau of Water Systems and Well Permitting of the permit cancellation. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the Cancellation notification shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Permit Cancellation : by the expiration date of this permit.[N.J.A.C. 7:9D-1]

In the event this well is abandoned, the Owner or Well driller shall assume full responsibility for having the well decommissioned in a manner satisfactory to the New Jersey Department of Environmental Protection in accordance with the provisions of N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]

The granting of this permit shall not be construed in any way to affect the title or ownership of property, and shall not make the New Jersey Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:9D-1]

The issuance of this permit shall not be deemed to affect in any way action by the New Jersey Department of Environmental Protection on any future application. [N.J.A.C. 7:9D-1]

This permit conveys no rights, either expressed, or implied to divert water. [N.J.A.C. 7:9D-1]

This permit does not waive the obtaining of Federal or other State or local Government consent when necessary. This permit is not valid and no work shall be undertaken until such time as all other required approvals and permits have been obtained. [N.J.A.C. 7:9D-1] This permit is NONTRANSFERABLE [N.J.A.C. 7:9D]

Well Permit Number **E201707274**

MONITORING WELL RECORD

PROPERTY OWNER: CITY OF JERSEY CITY								
Company/Organization: City of Jersey City								
Address: 280 Grove St Jersey City, New Jersey 07302								
WELL LOC	WELL LOCATION: Roadways							
Address: Bu	urma Road							
County: Hu	dson	Municipality	y: Jersey City		Lot: ROW	Block: RC)W	
Easting (X):	612278	Northing	(Y): <u>680282</u>		DATE WELL ST	ARTED: July 5, 2017	·	
Coordinate System: NJ State Plane (NAD83) - USFEET DATE WELL COMPLETED: July 5, 2017								
WELL USE:	MONITOR	ING						
Other Use(s)	:				Local ID: MV	V-202		
WELL CON	STRUCTION	I						
Total Depth Drilled (ft.): 11 Finished Well Depth (ft.): 11 Well Surface: Flush Mount								
	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)		Material		Wgt/Rating/Screen # Used (lbs/ch no.)	
Borehole	0	11	8					
Casing	0	6	2		PVC	Se	ch 40	
Screen	6	11	2		PVC		.010	
	Depth to	Depth to	Outer	Inner		Material		
	Top (ft.)	Bottom (ft.)	Diameter (in.)	Diameter (in)	Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)	
Grout	0	4	8	2	20	NA : 1/1	10	
Gravel Pack	4	11	8	2		Morie #1		
Grouting Met	hod: <u>Gravity</u>	method		Dri	lling Method: Holl	ow Stem Augers		
ADDITIONAL INFORMATIONProtective Casing: NoPump Capacity: _ gpmStatic Water Level: 4 ft. below land surfaceTotal Design Head: _ ft.Water Level Measure Tool: TapeDrilling Fluid:Well Development Period: .5 hrs.Drill Rig: Geoprobe 7720Method of Development: SubmersibleHealth and Safety Plan Submitted? YesPump Type:Pump Type:								
ATTACHM	ENTS:							
GEOLOGIC								
	OT - Other A	-						
		inds, sand-silt i						
		ds, sand-silt m	ixtures					
10 - 11: Brow	n OT - Other l	vieadow Mat						
ADDITIONA	ADDITIONAL INFORMATION:							

New Jersey Department of Environmental P Site Remediation Program MONITORING WELL CERTIFICATION FORM CERTIFICATION		Date Stamp (For Department use only)			
SECTION A. SITE NAME AND LOCATION Site Name: Site 063					
List all AKAs: Baldwin Oils					
Street Address: 1 Burma Road					
Municipality: Jersey City	(Township, Borough c	or City)			
County: Hudson	Zip Code: 07305				
Program Interest (PI) Number(s): G000008691	Case Tracking Number	er(s):			
SECTION B. WELL OWNER AND LOCATION 1. Name of Well Owner Nisan 12, LLC 2. Well Location (Street Address) 1 Burma Road,					
3. Well Location (Municipal Block and Lot) Block# 21503	L	ot # 11			
SECTION C. WELL LOCATION SPECIFICS					
1. Well Permit Number (This number must be permanently affixed to	the well casing): E2	E201707274			
2. Site Well Number as shown on application or plans):	M\	N-202			
3. Well Completion Date:		5/17			
4. Distance from Top of Casing (cap off) to ground surface (nearest 0	0.01'):	5			
5. Total Depth of Well to the nearest ½ foot:					
6. Depth to Top of Screen (or top of open hole) from top of casing (ne	earest 0.01'): 6				
7. Screen Length (or length of open hole) in feet:	5	5			
8. Screen or Slot Size:	0.0	010			
9. Screen or Slot Material:	PV	/C			
10. Casing Material (PVC, steel, or other – specify):	P\	/C			
11. Casing Diameter (inches):	2				
12. Static Water Level from top of casing at the time of installation (nea	arest 0.01'): 5				
13. Yield (gallons per minute):					
14. Development Techinque (specify):	Pu	imp and surge			
15. Length of Time well is developed/pumped or bailed (hours and mir	o.e	5			

	New Jersey Department of E Site Remediation Program				
V	Monitoring Well Certification	Form B - Lo	ocation Certifica	tion	Date Stamp (For Department use only)
SE	CTION A. SITE NAME AND LOCATION				
	e Name: Nisan 12, LLC				
	t all AKAs: PPG Site 063/065				
	eet Address: <u>1 Burma Road</u>				
	nicipality: Jersey City		(Township, Bord	• • •	
	unty: Hudson		Zip Code: 073		
Pro	gram Interest (PI) Number(s); G00008691		Case Trackir	ng Number(s)	
SE	CTION B. WELL OWNER AND LOCATION				
1.	Name of Well Owner City of Jersey City				
2.	Well Location (Street Address) Burma Road				
3.	Well Location (Municipal Block and Lot)	Block# In Ro	oad R.O.W.	Lot # In	Road R.O.W.
SE	CTION C. WELL LOCATION SPECIFICS				
1.	Well Permit Number (This number must be per	manently affixe	d to the well casing):	E20170727	4
2,	Site Well Number (As shown on application or	plans): <u>MW-20</u>	02		
3.	Geographic Coordinate NAD 83 to nearest 1/10	00 of a second:			
	Latitude: North 40-42-00.82		Longitude: West	74-03-59.84	
4.	New Jersey State Plane Coordinates NAD 83 c	datum, US surve	•	est foot:	
	North 680284		East 612280		
5.	Elevation of Top of Inner Casing (cap off) at ref	ference mark (r	nearest 0.01'): <u>8.03</u>		
	Elevation Top of Outer casing: 8.29	Eleva	tion of ground: 8.31		
	Check one: 🛛 NAVD 88 🗌 NVGD29	On Site Date			
6.	Source of elevation datum (benchmark, numbe here, assume datum of 100', and give approxim	r/description ar nated actual ele	nd elevation/datum). evation (referencing N	If an on-site (IAVD 88).	datum is used, identify
	GPS observations using KEYNET VRS	S SYSTEM in	n NAVD88		
7.	Significant observations and notes:				
	C C C C C C C C C C C C C C C C C C C				
SE	CTION D. LAND SURVEYOR'S CERTIFICATI	ON		SEAL	
	rtify under penalty of law that I have personally ex				
	rmation submitted in this document and all attachr se individuals immediately responsible for obtainin			f	
sub	mitted information is true, accurate and complete.	I am aware that	t there are significant		
L .	alties for submitting false information including the	possibility of fin	and imprisonment.		Red La
	fessional Land Surveyor's Signature:	Thomas	Amy		Date 8/25/17
	veyor's Name: R. Thomas Hugg				er: 24GS03673700
	n Name: Maser Consulting P.A.	400	Certificate of /	Authorization	#: 24GA27986500
	iling Address 500 Scarborough Drive, Suite				00004
	//Town: Egg Harbor Twp.	State	New Jersey		Code: 08234
Phe	one Number 609-390-1927	Ext.:	4419	Fax: 609	-390-0040

				rizon Center n, NJ 08691	WELL NU	MBER MW-202 PAGE 1 OF 1
		TIM			PROJECT NAME Site 63/65	
		T <u>PPG</u>			PROJECT LOCATION 1 Burma Road, Jersey C	tity New Jersev
					GROUND ELEVATION 8.31 ft HOLE SI	· · · · · · · · · · · · · · · · · · ·
				CTOR _EPI		
2				Track mounted geoprobe		<u>5 II</u>
פ פ פ						
-069/PPG 311E 03-03 WE	o DEPTH o (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DE	SCRIPTION	WELL DIAGRAM Casing Top Elev: 8.03 (ft) Casing Type: flush
	0.0			ASPHALT		✓bentonite
				2.0	6.0	
	_ 2.5			Blackish Gray coarse angular FILL, some red dense, dry 4.0 Gray fine SAND, little rounded gravel, semi c	4.0	filter sand
	 			6.0 ∑ Grayish Red silty SAND, little angular gravel,	, dense, wet	
	 <u>7.5</u>					2" 0.10 Slot
	 				-2.0	Screen
				Bottom of boreho	ole at 11.0 feet.	<u>[전작] - 1 지역</u>

Well Permit Number E201714023

WELL PERMIT

New Well

The New Jersey Department of Environmental Protection grant accompanying same application, and applicable laws and regul enumerated in the supporting documents which are agreed to be	ations. This permit is also	subject to fu	rther conditions and stipulations				
Certifying Driller: BRIAN D KOKOT, JOURNEYMA	N LICENSE # 0017863						
Permit Issued to: ENVIRONMENTAL PROBING IN	VESTIGATION						
Company Address: 833 MONMOUTH RD CREAM F	Company Address: 833 MONMOUTH RD CREAM RIDGE, NJ 08514						
PROPERTY OWNER							
Name: CITY OF JERSEY CITY							
Organization: City of Jersey City							
Address: 280 Grove St							
City: Jersey City State: New Jer	rsey	Zip Code:	07302				
PROPOSED WELL LOCATION							
Facility Name: Roadways							
Address: Burma Road ROW							
County: Hudson Municipality: Jersey City	Lot: ROW		Block: ROW				
Easting (X): 612253 Northing (Y): 680192	Local ID:	MW-301					
Coordinate System: NJ State Plane (NAD83) - USFEET							
SITE CHARACTERISTICS							
PROPOSED CONSTRUCTION							
WELL USE: MONITORING	Other Use(s):						
Diameter (in.): 2	Diameter (in.): 2 Regulatory Program Requiring Wells/Borings:						
Depth (ft.): 10 Case ID Number:							
Pump Capacity (gpm): 0 Deviation Requested: N							
Drilling Method: Hollow Stem Augers							
Attachments:							

SPECIFIC CONDITIONS/REQUIREMENTS

Approval Date:December 13, 2017Expiration Date:December 13, 2018

Approved by the authority of: Bob Martin Commissioner

Well Permit -- Page 1 of 2

Jerry D. P. lawski

Terry Pilawski, Chief Bureau of Water Allocation and Well Permitting

New Well

DEVIATION INFORMATION					
Purpose:					
Unusual Conditions:					
Reason for Deviation:					
Proposed Well Construction					

GENERAL CONDITIONS/REQUIREMENTS

A copy of this permit shall be kept at the worksite / on the property and shall be exhibited upon request. [N.J.A.C. 7:9D-1]

A well record must be submitted by the well driller to the Bureau of Water Systems and Well Permitting. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the well record shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Record: within ninety (90) days after the well is completed.[N.J.A.C. 7:9D-1]

All well drilling/pump installation activities shall comply with N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]

For this permit to remain valid, the well approved in this permit shall be constructed within one year of the effective date of the permit. [N.J.A.C. 7:9D-1]

If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Bureau of Water Systems and Well Permitting. [N.J.A.C. 7:9D-1]

If the use of the well is to be changed a well permit for the proposed use of the well shall be submitted for review and approval. [N.J.A.C. 7:9D-1]

If you or a future property owner intend to redesignate this well as a Category 1 well (domestic, non-public, community water supply or public non-community water supply wells), the well must be constructed as a Category 1 well per the Well Construction and Abandonment Regulations at N.J.A.C. 7:0D-1.1 et seq. In addition, if the current or future property owner intends to have this well redesignated as a community water supply well, the well must be constructed by a Master well driller, which would include having a Master well driller on-site at all times during construction of the well, as specified in the Well Construction and Abandonment Regulations. Otherwise, the New Jersey Department of Environmental Protection will not allow the well to be redesignated, and a new well would have to be installed. [N.J.A.C. 7:9D-1.7((a))1i]

In accepting this permit the Property Owner and Driller agree to abide by the following terms and conditions [N.J.A.C. 7:9D-1] In the event that this well is not constructed the well driller shall notify the Bureau of Water Systems and Well Permitting of the permit cancellation. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the Cancellation notification shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Permit Cancellation : by the expiration date of this permit.[N.J.A.C. 7:9D-1]

In the event this well is abandoned, the Owner or Well driller shall assume full responsibility for having the well decommissioned in a manner satisfactory to the New Jersey Department of Environmental Protection in accordance with the provisions of N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]

The granting of this permit shall not be construed in any way to affect the title or ownership of property, and shall not make the New Jersey Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:9D-1]

The issuance of this permit shall not be deemed to affect in any way action by the New Jersey Department of Environmental Protection on any future application. [N.J.A.C. 7:9D-1]

This permit conveys no rights, either expressed, or implied to divert water. [N.J.A.C. 7:9D-1]

This permit does not waive the obtaining of Federal or other State or local Government consent when necessary. This permit is not valid and no work shall be undertaken until such time as all other required approvals and permits have been obtained. [N.J.A.C. 7:9D-1] This permit is NONTRANSFERABLE [N.J.A.C. 7:9D]

Well Permit Number **E201714023**

MONITORING WELL RECORD

PROPERTY	OWNER: _	CITY OF JERS	SEY CITY					
Company/Organization: City of Jersey City								
Address: 28	80 Grove St Jer	sey City, New	Jersey 07302					
WELL LOC	ATION: Roa	adways						
	urma Road RO							
County: Hu	dson	Municipality	y: Jersey City		Lot: ROW	Block: R	OW	
Easting (X):	612253	Northing	(Y): <u>680192</u>		DATE WELL ST	ARTED: December	22, 2017	
Coordin	nate System: N	J State Plane (NAD83) - USFE	EET D	ATE WELL COM	PLETED: December	22, 2017	
WELL USE: MONITORING								
Other Use(s)	Other Use(s): Local ID: MW-301							
WELL CONSTRUCTION								
	Drilled (ft.):		Finished We	ll Depth (ft.):	10	Well Surface: Flus	h Mount	
rotai Depui								
	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)		Material Wgt/Rating/Screen # U (lbs/ch no.)			
Borehole	0	10	8					
Casing	0	5	2		PVC	S	Sch 40	
Screen	5	10	2		PVC	Sch 4	Sch 40 pre-pack	
	Depth to	Depth to	Outer	Inner		Material		
	Top (ft.)	Bottom (ft.)	Diameter (in.)	, ,	Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)	
Grout	0	3	8	2	15	NK : 11	7.5	
Gravel Pack	3	10	8	2		Morie #1		
Grouting Met	hod: Gravity	method		Dri	lling Method: Holl	ow Stem Augers		
ADDITIONAL INFORMATIONPump Capacity: _ gpmProtective Casing: NoPump Capacity: _ gpmStatic Water Level: 5 ft. below land surfaceTotal Design Head: _ ft.Water Level Measure Tool: TapeDrilling Fluid:Well Development Period: .5 hrs.Drill Rig: Geoprobe 7822Method of Development: SubmersibleHealth and Safety Plan Submitted? YesPump Type:Pump Type:								
ATTACHM	ENTS:							
GEOLOGIC			-					
0 - 10: Brown	n SM - Silty sa	nds, sand-silt n	nixtures					
ADDITIONA	AL INFORMA	ATION:						

Jeremy Wilkins, Driller of Record: MONITORING LICENSE # 763199

Site Remediation Program	f Environmental Protection				
CERTIFICATION		Date Stamp (For Department use only)			
SECTION A. SITE NAME AND LOCATION					
Site Name: Site 063					
List all AKAs: Baldwin Oils Street Address: 1 Burma Road					
Municipality: Jersey City	(Township, Bord	augh ar Citul			
County: Hudson	Zip Code: 073				
Program Interest (PI) Number(s): G00000869					
SECTION B. WELL OWNER AND LOCATION		· · ·			
1. Name of Well Owner City of Jersey City	-				
	Road ROW				
3. Well Location (Municipal Block and Lot)	Block# ROW	Lot # ROW			
SECTION C. WELL LOCATION SPECIFICS					
1. Well Permit Number (This number must be	permanently affixed to the well casing):	E201714023			
2. Site Well Number as shown on application of	or plans):				
3. Well Completion Date:					
4. Distance from Top of Casing (cap off) to gro	ound surface (nearest 0.01'):	-0.5			
5. Total Depth of Well to the nearest ½ foot:		10			
6. Depth to Top of Screen (or top of open hole		5			
7. Screen Length (or length of open hole) in fe	et:				
8. Screen or Slot Size:		0.010			
9. Screen or Slot Material:		PVC			
10. Casing Material (PVC, steel, or other – spec		PVC			
11. Casing Diameter (inches):		2			
12. Static Water Level from top of casing at the	5				
13. Yield (gallons per minute):					
14. Development Techinque (specify):		Pump and surge			
15. Length of Time well is developed/pumped o		0.5			

G	New Jersey Department of Enviro Site Remediation Program Monitoring Well Certification Form	tion	Date Stamp				
					(For Department use only)		
SE	CTION A. SITE NAME AND LOCATION						
Site	Name: Hudson County Chrome Site 63						
List	all AKAs: Baldwin Oils						
Stre	eet Address: <u>1 Burma Road</u>						
	nicipality: Jersey City		(Township, Bor	0 17			
Соι	Inty: Hudson		Zip Code: 073	05			
Pro	gram Interest (PI) Number(s): G00008691		Case Trackir	ng Number(s)	:		
-	CTION B. WELL OWNER AND LOCATION Name of Well Owner City of Jersey City						
2.	Well Location (Street Address) Burma Road						
		ck# In Ro	ad R.O.W.	Lot # In	Road R.O.W.		
SE	CTION C. WELL LOCATION SPECIFICS						
1. 2. 3. 4.	Well Permit Number (This number must be permanent Site Well Number (As shown on application or plans) Geographic Coordinate NAD 83 to nearest 1/100 of a Latitude: North <u>40-42-01.02</u> New Jersey State Plane Coordinates NAD 83 datum, North <u>680305</u> Elevation of Top of Inner Casing (cap off) at reference Elevation Top of Outer casing: <u>8.41</u>	: <u>MW-30</u> a second: , US surve ::e mark (r Eleva n Site Dat cription an actual ele	Longitude: West ey feet units, to near East <u>612337</u> nearest 0.01'): <u>7.93</u> tion of ground: <u>8.43</u> tum ☐ Other id elevation/datum). vation (referencing N	74-03-59.10 est foot: If an on-site			
SECTION D. LAND SURVEYOR'S CERTIFICATION I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment. Declaration and the submitted in the submitted information including the possibility of fine and imprisonment.							
	Professional Land Surveyor's Signature: Date Surveyor's Name: R. Thomas Hugg License Number: 24GS03673700						
	n Name: Maser Consulting P.A.				#: 24GA27986500		
	ling Address 500 Scarborough Drive, Suite 108			autonzation			
	r/Town: Egg Harbor Twp.	State	New Jersey	7ir	Code: 08234		
	one Number 609-910-4068	Ext.:	4419	·	-390-0040		

			izon Center	WELL NU	MBER MW-301 PAGE 1 OF 1
AP	ΤΙΜ	Trentor	, NJ 08691		
CLIEN	T PPG			PROJECT NAME Site 63/65	
PROJ	ECT NUN			PROJECT LOCATION 1 Burma Road, Jersey C	City, New Jersey
DATE	STARTE	D <u>12</u>	/22/17 COMPLETED 12/22/17	GROUND ELEVATION 8.43 ft HOLE	SIZE 2 inches
DRILL	ING CO	NTRAC	TOR EPI	- WATER LEVEL DRILLING	
	ING MET	HOD	Track mounted geoprobe	-	
2			CHECKED BY JA	-	
NOTE	s	1		-	
o DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL [DESCRIPTION	WELL DIAGRAM Casing Top Elev: 7.93 (ft) Casing Type: flush
			ASPHALT		
 		<u>م</u> ر	0.5 Gray coarse angular GRAVEL, some gray	7.4	Dentonite
		0	Gray coarse angular GRAVEL, some gray	sh blown medium sand, loose, dry	
		é C	2.0	5.9	
2.5			Blackish Gray coarse FILL, some angular	gravel semi dense, moist	
					filter sand
8					
í – –					
<u> </u>			4.5	3.4	
5.0			Reddish Brown sandy SILT, some gravel, 5.0	semi dense, moist 2.9	
			Grayish brown sandy SILT, little gravel, de		
			7.0 Blackish Gray coarse FILL, some angular	0.9	
7.5			DIACKISH GIAY COAISE FILL, SOME ANGULA	graver, intie sand, senn dense, wet	
0					2" 0.10 Slot Screen
<u>-</u>			8.0 Brown f-m SAND, some subrounded grave	-0.1 el, dense, wet	
2 5					
10.0			10.0	-2.1	
			Bottom of bore	hole at 10.0 feet.	
5 					

Well Permit Number E201714024

WELL PERMIT

New Well

The New Jersey Department of Environmental Protection gra accompanying same application, and applicable laws and reg enumerated in the supporting documents which are agreed to	ulations. This permit is also	subject to further conditions and stipulations				
Certifying Driller: BRIAN D KOKOT, JOURNEYM	IAN LICENSE # 0017863					
Permit Issued to: ENVIRONMENTAL PROBING	INVESTIGATION					
Company Address: 833 MONMOUTH RD CREAM	RIDGE, NJ 08514					
PROPERTY OWNER						
Name: CITY OF JERSEY CITY						
Organization: City of Jersey City						
Address: 280 Grove St						
City: Jersey City State: New J	lersey	Zip Code: 07302				
PROPOSED WELL LOCATION						
Facility Name: Roadways						
Address: Morris Pesin Drive ROW						
County: Hudson Municipality: Jersey City	Lot: ROW	Block: ROW				
Easting (X): 612209 Northing (Y): 680089	Local ID:	MW-302				
Coordinate System: NJ State Plane (NAD83) - USFEE	Г					
SITE CHARACTERISTICS						
PROPOSED CONSTRUCTION						
WELL USE: MONITORING	Other Use(s):					
Diameter (in.): 2	Regulatory Program Requiring Wells/Boring	Regulatory Program Requiring Wells/Borings:				
Depth (ft.): 10		Case ID Number:				
Pump Capacity (gpm): 0	Deviation Requested:	N				
Drilling Method: Hollow Stem Augers						
Attachments:						

SPECIFIC CONDITIONS/REQUIREMENTS

Approval Date:December 13, 2017Expiration Date:December 13, 2018

Approved by the authority of: Bob Martin Commissioner

Well Permit -- Page 1 of 2

Jerry D. P. lawski

Terry Pilawski, Chief Bureau of Water Allocation and Well Permitting

New Well

DEVIATION INFORMATION					
Purpose:					
Unusual Conditions:					
Reason for Deviation:					
Proposed Well Construction					

GENERAL CONDITIONS/REQUIREMENTS

A copy of this permit shall be kept at the worksite / on the property and shall be exhibited upon request. [N.J.A.C. 7:9D-1]

A well record must be submitted by the well driller to the Bureau of Water Systems and Well Permitting. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the well record shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Record: within ninety (90) days after the well is completed.[N.J.A.C. 7:9D-1]

All well drilling/pump installation activities shall comply with N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]

For this permit to remain valid, the well approved in this permit shall be constructed within one year of the effective date of the permit. [N.J.A.C. 7:9D-1]

If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Bureau of Water Systems and Well Permitting. [N.J.A.C. 7:9D-1]

If the use of the well is to be changed a well permit for the proposed use of the well shall be submitted for review and approval. [N.J.A.C. 7:9D-1]

If you or a future property owner intend to redesignate this well as a Category 1 well (domestic, non-public, community water supply or public non-community water supply wells), the well must be constructed as a Category 1 well per the Well Construction and Abandonment Regulations at N.J.A.C. 7:0D-1.1 et seq. In addition, if the current or future property owner intends to have this well redesignated as a community water supply well, the well must be constructed by a Master well driller, which would include having a Master well driller on-site at all times during construction of the well, as specified in the Well Construction and Abandonment Regulations. Otherwise, the New Jersey Department of Environmental Protection will not allow the well to be redesignated, and a new well would have to be installed. [N.J.A.C. 7:9D-1.7((a))1i]

In accepting this permit the Property Owner and Driller agree to abide by the following terms and conditions [N.J.A.C. 7:9D-1] In the event that this well is not constructed the well driller shall notify the Bureau of Water Systems and Well Permitting of the permit cancellation. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the Cancellation notification shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Permit Cancellation : by the expiration date of this permit.[N.J.A.C. 7:9D-1]

In the event this well is abandoned, the Owner or Well driller shall assume full responsibility for having the well decommissioned in a manner satisfactory to the New Jersey Department of Environmental Protection in accordance with the provisions of N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]

The granting of this permit shall not be construed in any way to affect the title or ownership of property, and shall not make the New Jersey Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:9D-1]

The issuance of this permit shall not be deemed to affect in any way action by the New Jersey Department of Environmental Protection on any future application. [N.J.A.C. 7:9D-1]

This permit conveys no rights, either expressed, or implied to divert water. [N.J.A.C. 7:9D-1]

This permit does not waive the obtaining of Federal or other State or local Government consent when necessary. This permit is not valid and no work shall be undertaken until such time as all other required approvals and permits have been obtained. [N.J.A.C. 7:9D-1] This permit is NONTRANSFERABLE [N.J.A.C. 7:9D]

Well Permit Number **E201714024**

MONITORING WELL RECORD

PROPERTY	OWNER: _	CITY OF JERS	SEY CITY					
Company/Organization: City of Jersey City								
Address: 28	30 Grove St Jer	rsey City, New	Jersey 07302					
WELL LOC	ATION: Ro	adways						
Address: M	orris Pesin Dri	ve ROW						
County: Hu	dson	Municipality	y: Jersey City		Lot: ROW	Block: R	WC	
-			(Y): <u>680089</u>		DATE WELL ST	ARTED: December	22, 2017	
Coordii	nate System: N	J State Plane (NAD83) - USFE	EET DA	ATE WELL COMI	PLETED: December	22, 2017	
WELL USE:	MONITOR	ING						
Other Use(s)	:				Local ID: MV	W-302		
WELL CON	WELL CONSTRUCTION							
Total Depth Drilled (ft.): 10 Finished Well Depth (ft.): 10 Well Surface: Flush Mount							h Mount	
Depth toDepth toDiameterTop (ft.)Bottom (ft.)(inches)					Material Wgt/Rating/Screen # Us (lbs/ch no.)			
Borehole 0 10 8								
Casing 0 5 2					PVC Sch 40			
Screen 5 10 2					PVC Sch 40 pre-pack		0 pre-pack	
				Inner				
	Top (ft.)	Bottom (ft.)	Diameter (in.)	. ,	· · · ·	Neat Cement (lbs.)	Water (gal.)	
Grout Gravel Pack	03	3 10	8	2	2 15 7.5 2 Morie #1			
	hod: Gravity	-	0	-	lling Method: Holl			
-	AL INFORMA							
Protective Ca	sing: <u>No</u>		Ce.		np Capacity: _ gpm tal Design Head: _ ft			
					lling Fluid:	•		
Well Development Period: <u>.5</u> hrs. Dr					ll Rig: Geoprobe 78			
Method of Development: <u>Submersible</u> Heal Pump Type:					alth and Safety Plan	Submitted? <u>Yes</u>		
ATTACHM	ATTACHMENTS:							
GEOLOGIC								
0 - 10: Brown	n SM - Silty sa	nds, sand-silt n	nixtures					
ADDITION	AL INFORMA	ATION:						

CERTIFICATION Data Stamp (Por Department use only) SECTION A. SITE NAME AND LOCATION Site Name: Site 063 List all AKAs: Baldwin Olis Street Address: 1 Burma Road Municipality: Jersey City Converting (Township, Borough or City) County: Hudson Program Interest (PI) Number(s): G000008691 Case Tracking Number(s): Case Tracking Number(s): SECTION B. WELL OWNER AND LOCATION Case Tracking Number(s): 1. Name of Well Counter City of Jersey City Case Tracking Number(s): 2. Well Location (Street Address) Burma Road ROW 3. Well Coation (Municipal Block and Lot) Block# ROW Lot # ROW SECTION C. WELL LOCATION SPECIFICS E201714024 MW-302 1. Well Permit Number (This number must be permanently affixed to the well casing): E201714024 2. Site Well Number as shown on application or plans): MW-302 3. Well Completion Date: 10 4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'): 5 5. Screen or Slot Size: 0.010 6. Screen or Slot Material: PVC	Site Remediation Progr	ent of Environmental Pro ram CERTIFICATION FORM A		
Site Name: Site 063 List all AKAs: Baldwin Oils Street Address: 1 Burma Road Municipality: Jersey City (Township, Borough or City) County: Hudson Zip Code: 07305 Program Interest (PI) Number(s): G000008691 Case Tracking Number(s): SECTION B. WELL OWNER AND LOCATION Isterest Address) Burma Road ROW 3. Well Location (Municipal Block and Lot) Block# ROW Lot # ROW SECTION C. WELL LOCATION SPECIFICS Isterest Address) MW-302 1. Well Permit Number (This number must be permanently affixed to the well casing) E201714024 2. Site Well Number as shown on application or plans): 10 3. Well Completion Date: 10 4. Distance from Top of Casing (cap off) to ground surface (nearest 0.01'): 5 5. Total Depth of Well to the nearest ½ foot: 10 6. Depth to Top of Screen (or top of open hole) in feet: 0.010 7. Screen Length (or length of open hole) in feet: 0.010 8. Screen or Slot Material: PVC 9. Screen or Slot Material: 2 10. Casing Material (PVC, steel, or other – specify): 2	CERTIFICATION			
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Lot any other 1 Burma Road Municipality: Jersey City (Township, Borough or City) County: Hudson Zip Code: 07305 Program Interest (PI) Number(s): G000008691 Case Tracking Number(s):				
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13. Yield (gallons per minute): 2 14. Development Techinque (specify): Pump and surge 0.5			5	
14. Development Techinque (specify):			0	
0.5			Pu	mp and surge
			0.5	

G	New Jersey Department of Enviro Site Remediation Program Monitoring Well Certification Form	Date Stamp			
					(For Department use only)
SEC	CTION A. SITE NAME AND LOCATION				
Site	Name: Hudson County Chrome Site 63				
List	all AKAs: Baldwin Oils				
Stre	eet Address: <u>1 Burma Road</u>				
Mur	nicipality: Jersey City		(Township, Borc	0 ,	
Οοι	Inty: Hudson		Zip Code: 073	05	
Pro	gram Interest (PI) Number(s): G00008691		Case Trackin	g Number(s)	:
_	CTION B. WELL OWNER AND LOCATION Name of Well Owner City of Jersey City				
2.	Well Location (Street Address) Burma Road				
3.	Well Location (Municipal Block and Lot) Bloc	_{ck#} In Ro	ad R.O.W.	Lot # In	Road R.O.W.
SEC	CTION C. WELL LOCATION SPECIFICS				
 1. 2. 3. 4. 5. 	Well Permit Number (This number must be permanent Site Well Number (As shown on application or plans) Geographic Coordinate NAD 83 to nearest 1/100 of a Latitude: North <u>40-42-00.37</u> New Jersey State Plane Coordinates NAD 83 datum, North <u>680239</u> Elevation of Top of Inner Casing (cap off) at reference Elevation Top of Outer casing: <u>8.34</u>	: <u>MW-30</u> a second: , US surve e mark (r Eleva n Site Dat cription an actual ele	D2 Longitude: West ey feet units, to neare East <u>612289</u> nearest 0.01'): <u>7.95</u> tion of ground: <u>8.32</u> tum ☐ Other ad elevation/datum). vation (referencing N	74-03-59.74 est foot: If an on-site	
SECTION D. LAND SURVEYOR'S CERTIFICATION SEAL I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment. SEAL Professional Land Surveyor's Signature: Date					
	veyor's Name: R. Thomas Hugg		Liz	ense Numb	er: 24GS03673700
	Name: Maser Consulting P.A.				#: 24GA27986500
	ling Address 500 Scarborough Drive, Suite 108			ιστησηζατιση	
	/Town: Egg Harbor Twp.	State	New Jersey	7ir	Code: 08234
	ne Number 609-910-4068	Ext.:	4419	·	-390-0040

APTIM Textor.NU 0891 CLIENT_PPG PROJECT NAME Site 63865 PROJECT NUMBER PROJECT NAME Site 63865 DATE STARTED 1202/17 COMPLETED 12/2/17 DRILLING CONTRACTOR EPI GROUND ELEVATION 8.32 ft HOLE SIZE 2 inches DRILLING METHOD Track mounted geoprobe GROUND ELEVATION 8.32 ft HOLE SIZE 2 inches LOGGED BY KT CHECKED BY JA WATER LEVEL DRILLING 6.00 ft / Elev 1.95 ft Graving for Elev 1.00 ft VIEW O ASPHALT Checked BY JA Grav coarse angular GRAVEL, some f-m brownish gray sand, loose, dry Coalege for Elev 1.00 ft 0.0 Gray coarse angular GRAVEL, some f-m brownish gray sand, loose, dry 5.0 S.0 S.0 2.5 Black f-m ASH, some coarse angular fill, loose, dry 5.0 S.0 S.0 2.5 Grayish Black f-m SAND, little rounded fine gravel, semi dense, moist S.0 S.0 3.0 Grayish Black f-m SAND, little rounded fine gravel, semi dense, moist 0.0 Sre 5.0 Brownish Black sandy SILT, some organics, semi dense, wet 0.0 Sre	V-302 1 OF 1
PROJECT NUMBER PROJECT LOCATION 1 Burna Road, Jersey City, New Jersey GROUND ELEVATION 8.32 ft HOLE SIZE 2 inches DRILLING CONTRACTOR EPI COMPLETED 12/22/17 GROUND ELEVATION 8.32 ft HOLE SIZE 2 inches DRILLING CONTRACTOR EPI CHECKED BY JA WATER LEVEL DRILLING 6.00 ft / Elev 1.95 ft Water LEVEL DRILLING 6.00 ft / Elev 1.95 ft DRILLING WATER CHECKED BY JA MATERIAL DESCRIPTION WELL DIAC Casing Top Elev Casing Top Elev Casing Top Elev 0.0 ASPHALT 7.5 Top file 0.0 ASPHALT 5.0 Top file 0.0 Gray coarse angular GRAVEL, some f-m brownish gray sand, loose, dry 5.0 0.0 Grayish Black f-m ASH, some coarse angular fill, loose, dry 5.0 0.0 Grayish Black f-m SAND, little rounded fine gravel, semi dense, moist 5.0 0.0 Grayish Black f-m SAND, little rounded fine gravel, semi dense, moist 5.0 0.0 8.0	
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3.0 0.5 Gray coarse angular GRAVEL, some f-m brownish gray sand, loose, dry 2.5 0.0 0.0 2.5 0.0 0.0 2.5 0.0 0.0 3.0 0.0 0.0 5.0 0.0 0.0 7.5 0.0 0.0 7.5 0.0 0.0 7.5 0.0 0.0 7.5 0.0 0.0 7.5 0.0 0.0	
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Brownish Black sandy SILT, some organics, semi dense, wet	en
Image: 10.0 -2.1	

Well Permit Number E201901458

WELL PERMIT

New Well

The New Jersey Department of Environmental Protection grants this permit in accordance with your application, attachments accompanying same application, and applicable laws and regulations. This permit is also subject to further conditions and stipulations enumerated in the supporting documents which are agreed to by the permittee upon acceptance of the permit

Certifying Driller: BRIAN D KOKOT, JOURNEYMAN LICENSE # 0017863

Permit Issued to: ENVIRONMENTAL PROBING INVESTIGATION

Company Address: 833 MONMOUTH RD CREAM RIDGE, NJ 08514

PROPERTY OWNER

Name: STATE OF NJ DEPT OF ENV PROTECTION					
Organization: _State of New Jersey Dept of Env Protection					
Address: _36 West State Street					
City: <u>Trenton</u> State: <u>New Jersey</u>	Zip Code: _08625				
PROPOSED WELL LOCATION					
Facility Name: Liberty State Park					
Address: 185 Theodore Conrad Drive					
County: Hudson Municipality: Jersey City	Lot: 1 Block: 24304				
Easting (X): 612382 Northing (Y): 680362 Coordinate System: NJ State Plane (NAD83) - USFEET	Local ID: MW-303				
SITE CHARACTERISTICS					
PROPOSED CONSTRUCTION					
WELL USE: MONITORING	Other Use(s):				
	Regulatory Program Requiring Wells/Borings:				
	Case ID Number:				
	Deviation Requested: N				
Drilling Method: Hollow Stem Augers					
Attachments:					

SPECIFIC CONDITIONS/REQUIREMENTS

Approval Date:February 13, 2019Expiration Date:February 13, 2020

Approved by the authority of: Catherine R. McCabe Commissioner

Well Permit -- Page 1 of 2

Jerry D. P. lawski

Terry Pilawski, Chief Bureau of Water Allocation and Well Permitting

New Well

DEVIATION INFORMATION			
Purpose:			
Unusual Conditions:			
Reason for Deviation:			
Proposed Well Construction			

GENERAL CONDITIONS/REQUIREMENTS

A copy of this permit shall be kept at the worksite / on the property and shall be exhibited upon request. [N.J.A.C. 7:9D-1]

A well record must be submitted by the well driller to the Bureau of Water Systems and Well Permitting. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the well record shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Record: within ninety (90) days after the well is completed.[N.J.A.C. 7:9D-1]

All well drilling/pump installation activities shall comply with N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]

For this permit to remain valid, the well approved in this permit shall be constructed within one year of the effective date of the permit. [N.J.A.C. 7:9D-1]

If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Bureau of Water Systems and Well Permitting. [N.J.A.C. 7:9D-1]

If the use of the well is to be changed a well permit for the proposed use of the well shall be submitted for review and approval. [N.J.A.C. 7:9D-1]

If you or a future property owner intend to redesignate this well as a Category 1 well (domestic, non-public, community water supply or public non-community water supply wells), the well must be constructed as a Category 1 well per the Well Construction and Abandonment Regulations at N.J.A.C. 7:0D-1.1 et seq. In addition, if the current or future property owner intends to have this well redesignated as a community water supply well, the well must be constructed by a Master well driller, which would include having a Master well driller on-site at all times during construction of the well, as specified in the Well Construction and Abandonment Regulations. Otherwise, the New Jersey Department of Environmental Protection will not allow the well to be redesignated, and a new well would have to be installed. [N.J.A.C. 7:9D-1.7((a))1i]

In accepting this permit the Property Owner and Driller agree to abide by the following terms and conditions [N.J.A.C. 7:9D-1] In the event that this well is not constructed the well driller shall notify the Bureau of Water Systems and Well Permitting of the permit cancellation. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the Cancellation notification shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Permit Cancellation : by the expiration date of this permit.[N.J.A.C. 7:9D-1]

In the event this well is abandoned, the Owner or Well driller shall assume full responsibility for having the well decommissioned in a manner satisfactory to the New Jersey Department of Environmental Protection in accordance with the provisions of N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]

The granting of this permit shall not be construed in any way to affect the title or ownership of property, and shall not make the New Jersey Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:9D-1] The issuance of this permit shall not be deemed to affect in any way action by the New Jersey Department of Environmental Protection on any future application. [N.J.A.C. 7:9D-1]

This permit conveys no rights, either expressed, or implied to divert water. [N.J.A.C. 7:9D-1]

This permit does not waive the obtaining of Federal or other State or local Government consent when necessary. This permit is not valid and no work shall be undertaken until such time as all other required approvals and permits have been obtained. [N.J.A.C. 7:9D-1] This permit is NONTRANSFERABLE [N.J.A.C. 7:9D]

Well Permit Number **E201901458**

MONITORING WELL RECORD

PROPERTY OWNER: STATE OF NJ DEPT OF ENV PROTECTION								
Company/Organization: State of New Jersey Dept of Env Protection								
Address: 36	West State St	reet Trenton, N	New Jersey 0862	25				
WELL LOC	ATION: Lib	erty State Park						
	35 Theodore Co		L					
			I C'		т., 1	DI 1 04	204	
County: <u>Hu</u>	dson	_ Municipality	y: Jersey City		_ Lot:_1	Block: _24	.304	
Easting (X): 612382 Northing (Y): 680362 DATE WELL STARTED: February 21, 2019								
Coordinate System: NJ State Plane (NAD83) - USFEET DATE WELL COMPLETED: February 21, 2019					1, 2019			
WELL USE:	MONITOR	ING						
					Local ID:	W-303		
WELL CONSTRUCTION								
Total Depth Drilled (ft.): 12 Finished Well Depth (ft.): 12 Well Surface: Flush Mount								
Depth to Depth to Diameter					Material	Wot/Rating	g/Screen # Used	
	Top (ft.) Bottom (ft.) (inches)				(lbs/ch no.)			
Borehole								
Casing	0	7	2		PVC		Sch 40	
Screen 7 12 2					PVC .010			
	Depth to Depth to Outer Inner				r Material			
	Top (ft.)	Bottom (ft.)	Diameter (in.)			Neat Cement (lbs.)	Water (gal.)	
Grout Gravel Pack	0 5	5	8	2				
	-		0	-	11° N (1 1 11 11	Morie #1		
•	hod: Gravity			Dri	lling Method: Holl	ow Stem Augers		
ADDITIONA Protective Ca	AL INFORMA sing: No	ATION		Pur	np Capacity: _ gpm			
Static Water I	Level: <u>10</u> ft. b	elow land surf	àce	Tot	al Design Head: _ ft			
	Measure Tool:				lling Fluid:	20		
					ll Rig: <u>Geoprobe 77</u> alth and Safety Plan			
Pump Type:								
ATTACHM	ENTS:							
GEOLOGIC	LOG							
	OT - Other Top	o soil						
.5 - 12: Brown	n SM - Silty sa	nds, sand-silt r	nixtures					
ADDITIONA	AL INFORMA	ATION:						

New Jersey Department of Environmental F Site Remediation Program MONITORING WELL CERTIFICATION FORM CERTIFICATION		Date Stamp (For Department use only)	
SECTION A. SITE NAME AND LOCATION			
Site Name: Site 063			
List all AKAs: Baldwin Oils			
Street Address: 1 Burma Road			
Municipality: Jersey City	(Township, Borough	or City)	
County: Hudson Program Interest (PI) Number(s): G000008691	Zip Code: 07305		
	Case Tracking Numb	Der(s):	
SECTION B. WELL OWNER AND LOCATION 1. Name of Well Owner STATE OF NJ DEPT OF ENV PROTECTION 2. Well Location (Street Address) 185 Theodore Conrad Drive 3. Well Location (Municipal Block and Lot) Block# 24304		_ot # _1	
SECTION C. WELL LOCATION SPECIFICS			
1. Well Permit Number (This number must be permanently affixed to	the well casing):	201901458	
2. Site Well Number as shown on application or plans):	M	W-303	
3. Well Completion Date:		/21/2019	
4. Distance from Top of Casing (cap off) to ground surface (nearest	D.01'):).44	
5. Total Depth of Well to the nearest ½ foot:		12	
6. Depth to Top of Screen (or top of open hole) from top of casing (n	earest 0.01'): 7	7	
7. Screen Length (or length of open hole) in feet:	5	5	
8. Screen or Slot Size:		010	
9. Screen or Slot Material:	P	VC	
10. Casing Material (PVC, steel, or other – specify):	P	VC	
11. Casing Diameter (inches):	2		
12. Static Water Level from top of casing at the time of installation (ne	arest 0.01'):	0	
13. Yield (gallons per minute):	2		
14. Development Techinque (specify):	P	ump and surge	
15. Length of Time well is developed/pumped or bailed (hours and mi	nutes):	5	

				nvironmenta	al Protection		
	Site	Remediation	Program				
	Mor	nitoring Well	Certification	Form B - Lo	ocation Certifi	cation	
	Ŷ						Date Stamp (For Department use only)
SE	CTION A. SITE	NAME AND LO	OCATION				
Site	e Name: Libe	rty State Park					
List	t all AKAs:	1					
Stre	S	185 Theodore C	onrad Drive				
Mu		sey City				orough or City)	
Co	unty: Hudsor	1			Zip Code: 0	7305	
Pro	gram Interest (F	PI) Number(s):	G00008691		Case Trac	king Number(s)	:
	CTION B. WEL			,			
1.	Name of Well C	Owner State o	f New Jersey De				
2.	Well Location (Street Address)	185 Theodo	re Conrad Drive			
3.	Well Location (Municipal Block	and Lot)	Block# 2430	4	Lot #	
SE	CTION C. WEL	L LOCATION S	PECIFICS				
1.	Well Permit Nu	mber (This num	ber must be per	manently affixe	d to the well casin	g): E20190145	8
2.	Site Well Numb	oer (As shown o	n application or	plans): <u>MW-30</u>)3	_	
3.	Geographic Co	ordinate NAD 8	3 to nearest 1/10	00 of a second:			
	Latitude: North	40-42-01.69			Longitude: Wes	st 74-03-58.34	
4.	New Jersey Sta	ate Plane Coord	inates NAD 83 o	latum, US surve	ey feet units, to ne	arest foot:	
	North <u>680373</u>				East 612396		
5.					nearest 0.01'): 9.0		
		-	9.51		tion of ground: 9.5	60	ź
	Check one: 🛛		NVGD29	On Site Dat			
6.					d elevation/datum vation (referencin		datum is used, identify
	GPS observ	ations using	KEYNET VRS	SYSTEM in	NAVD88		
7.	Significant obse	ervations and no	otes:				
1							- O D - O D
							A DENDER T
SE	CTION D. LAN	D SURVEYOR'S	S CERTIFICATI	ON		SEAL	S MOGG
			ve personally example			. of	S and a Re
thos	se individuals imr	mediately respon	sible for obtainin	g the information	ased on my inquir , I believe the	1	H A B
					there are significa		1. 18 M.
1 ·	fessional Land S		1	2h		1	Date 3/18/19
	veyor's Name:	• -		() when s	and a	License Numbe	The second second
	n Name: Mase				Certificate o	f Authorization	
	ling Address		ugh Drive, Suite	108			
	•	larbor Twp.		State	New Jersey	Zip	Code: 08234
I .	one Number	609-910-4068		Ext.:	4419		-390-0040

	1	APTIM		WELL NU	MBER MW-303 PAGE 1 OF 1		
	TIM		izon Center NJ 08691				
	IIIVI NT_PPG			PROJECT NAME Site 63/65			
			2/19 COMPLETED 2/12/19				
			TOR _EPI				
			Track mounted geoprobe	<u></u>			
LOGO	SED BY _	KT	CHECKED BY JA				
	S						
DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DE	SCRIPTION	WELL DIAGRAM Casing Top Elev: 9.06 (ft)		
0.0			Dark Brown fine SAND with some subrounde	ed medium gravel, little fill, semi dense.	Casing Type: flush		
			moist		✓ bentonite		
	-	\sim	2.0 Brown medium SAND, some subrounded fill	, little cobbles, semi dense, moist			
2.5	-						
			4.0	5.1	filter sand		
	Brown fine SAND, little fine rounded gravel, loose, moist						
	-						
			5.0 ⊻ Subangular fill, concrete, wet	4.1			
7.5			8.0	1.1			
	-		Black fine SAND, some ash, little fine subrou	unded gravel, loose, wet	2" 0.10 Slot		
<u>10.0</u>	-		11.0	-1.9	Screen		
 -	-	<u>\\</u> , <u>\</u>	MEADOW MAT	-1.9			
5	-	<u>1, \1,</u>					
		<u> 11 1</u>	12.0 Bottom of boreh	-2.9 ole at 12.0 feet.			
5							